FORMING A COMPLETE RECORD OF THE PROCEEDINGS OF ALL PUBLIC COMPANIES.

[The MINING JOURNAL is Registered at the General Post Office as a Newspaper, and for Transmission Abroad.]

No. 2092.-Vol. XLV.

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LONDON, SATURDAY, SEPTEMBER 25, 1875.

SUPPLEMENT. PER ANNUM, BY POST, 21 4s.

MR. JAMES H. CROFTS, STOCK AND SHARE BROKER, No. 1, FINCH LANE, CORNHILL, LONDON, E.C. Established 1842.

BUSINESS transacted in all descriptions of MINING Stocks and Shares (British and Foreign), Consols, Banks, Bonds (Foreign and Colonial), Railways, Miscellaneous, Insurance, Assurance, Telegraph, Shipping, Canal, Gas, Water, and Dock Shares.

Business represented in Stockers.

Dock Shares.

Business negociated in Stocks and Shares not having a general market value.

Business in all Collier and Iron Shares, and in the principal Wagox and Manufacturing Companies of the North of England and Scotland.

Mr. J. H. Crofffs, having now established Corresponding Agencies in all the Chief Towns of the United Kingdom, is prepared to deal in the various Local Stocks and Shares at close market prices.

Cotton Spinning Shares should an eighbouring districts. This description of security can be purchased to pay the investor very fair interest upon outlay.

Accounts opened for the Fortnightly Scutlement.

Monthly and Daily Price Lists issued.

Bankers: City Bank, London; South Cornwall Bank, St. Austell.

BRECIAL DRALINGS in the following, or part:—15 Assheton, 30s.; 25 Bampfylde, 20s.; 30 Bog, 7s. 6d.; 10 Bilson, £10; 50 Chapel House, £3 17s. 6d.; 10 Gardiff and Swansea, £3 5s.; 30 Caldbeck Fells, 8s. 6d.; 5 Cape Copper, £35; 20 Eberhard, £8 8s. 9d.; 50 Flagstaff; 100 Javali; 10 Lawes Chemical, £7 ex div.; 30 Last Chance, £1 3s. 9d.; 20 Ladywell, £2 17s. 6d.; 20 Marke Valley, £3; 40 Newioundland, 17s. 6d.; 30 Old Teburgett, 4s. 9d.; 300 Positive Assurance; 25 Pateley Bridge; 50 Parys Mountain; 50 Penstruthal; 5 Richmond, £10 1s. 3d.; 15 Thorp's Gawber, £5; 15 West Chiverton; 75 West Tankerville.

N.B.—BUYER of Positive Assurance Shares. WANTED North Eastern Banks.
Offer Wanted for 20 Milford Dook Shares, 6 per cent. guaranteed during construction.

struction.

* 2 Shares sold for forward delivery (one or two months) on deposit of 20 per cent.

Business on hand in all the leading Tin, COPPEE, and LEAD Shares.

RAILWAYS.—SPECIAL BUSINESS. Fortnightly accounts

JAMES H. CROFTS, 1 FINCH LANE, LONDON. PLYNLIMMON LEAD MINE.—SPECIAL BUSINESS in these shares.

JAMES H. CROFTS, 1, FINCH LANE, LONDON.

PATELEY BRIDGE LEAD AND SMELTING.—Special Business in these shares. A few for sale at lowest prices. JAMES H. CROFTS, 1, FINCH LANE, LONDON.

MR, W. H. BUMPUS, STOCK AND SHARE BROKER,

44, THREADNEEDLE STREET, LONDON, E.C.,
Transacts business in MINING and COLLIERY Shares of every description.
English and Foreign Stocks, Colonial Government Bonds, Rallways, Banks, and
Miscellaneous Shares, and all Securities dealt in on the London Stock Exchange,
for INVESTMENT or SPECULATION.

Purchases and Sales negociated in Unmarketable Stocks and Shares.
Speculative Accounts opened for the Fortnightly Settlement.

References given and required when necessary.

A Stock and Share List forwarded to bona fide Investors free on application.
Bankers: The National Provincial Bank of England, E.C.

SPECIAL BUSINESS in the undermentioned, at close market prices:—
Assheton. Emma (Silver). Forman Gravels.
Bog. Flagstaff. Richmond.
Birdseye Creek. Frontino. South Condurrow.
Gold Run. Sweetland Creek.
Javall. St. Patrick. Carn Brea.
Cape Copper.
Cathedral (Copper).
Chapel House Colliery.
Chicago (Silver).
Dolcoath.
Don Pedro. Javali.
Ladywell.
Marke Valley.
Pennerley.
Parys Mountain.
Penstruthal.
Pateley Bridge.
Port Phillip. Tankerville.
Tankerville.
Tincroft.
Van.
Van Consols.
West Chiverton.
West Tankerville.
Wheal Uny.

IMPORTANT.—Intending investors should lose no time in securing shares in well-selected mines at the low quotations now ruling, as an early and substantial advance may be confidently relied upon. Provided proper discrimination is excrised in the selection, there are, at present few, if any, other securities in the market which offer such a favourable field for investors, and considering the extendely low prices of the majority of shares in sound dividend and progressive mines, anyone investing now has the advantage of a minimum of risk, and will in all probability be enabled to realise handsome profits within a short period.

W. H. B. will be happy to furnish, on application, a list of shares which are likely to have an early rise in market value.

rly rise in market value.
WILLIAM HENRY BUMPUS, SWORN BROKER. OFFICES - 44, THREADNEEDLE STREET, LONDON, E.C.

MESSRS. PYNE AND ASHMEAD,
LONDON MANAGEMENT OF COMPANIES UNDERTAKEN.
ACCOUNTS AUDITED, LIQUIDATIONS CONDUCTED. 6, BISHOPSGATE STREET WITHOUT, LONDON, E.C.

FERDINAND R. KIRK, STOCKBROKER,
5, BIRCHIN LANE, E.C.
Consols, Foreign Bonds, Railways, and every security quoted on 'Change bought
and sold.

Bankers: London and Westminster, and City Bank.

Clients giving the usual "cover" can open accounts for the fortnightly settlement. Coupons collected and drafts cashed free of charge. References given when necessary in most of the leading towns of the United Kingdom. Commission on Railways 5s. per cent.

SPECIAL BUSINESS in Glaisdale Quarry, Alltami Colliery, Eberhardt, Cape Copper, Cardiff, and Chapel House.

J^{OHN} RISLEY (SWORN), STOCK AND SHARE BROKER, 17, CORNHILL, LONDON.

Turkish Six Per Cents. of 1854, 1859, 1862, 1865, 1871, and 1873 specially recommended; also Wheal Grenville, Treleigh Wood, Parys Mountain, Wheal Peevor, and Crebor shares.

Business transacted at the following rates of commission:—Foreign Stocks, % per cent.; and Mining Shares of &4 each and upwards, 1% per cent.; under £4, 1s. per share.

MESSRS. W. J. TALLENTIRE AND CO.,
STOCK AND SHARE BROKERS.
20, CHANGE ALLEY, CORNHILL, LONDON, E.C., transact business in
Stock Exchange Securities and Mining Share; of every description.

A Belected List of Safe Investments forwarded to intending investors post free
upon application. Fourteen years' experience.

M. THOMAS THOMPSON, JUN., 1, PALMERSTON BUILDINGS, BISHOPSGATE STREET, LONDON, E.C. Some valuable hints as to the purchase of mining shares will be found in Mr. Thompson's "Investment Circular" for Sept. now ready, post free, price 6d.

M. R. GEORGE BUDGE, STOCK AND SHARE DEALER, No. 4, ROYAL EXCHANGE BUILDINGS, LONDON, E.C. (Established 25 Years.(

(Established 25 Years.)

R. W. MARLBOROUGH, STOCK AND SHARE DEALER,
29, BISHOPSGATE STREET, LONDON, E.C. (Established 19 Years),
29 Allvant Collety,
25 Elagstaff, 25c. 6d.
30 Elridseys, 21%.
30 Biddays, 21%.
30 75 Plynlimmon, 10s. 3d.
75 Plynlimmon, 10s. 3d.
50 Prince of Wales, 4s.
25 Parys Mount, 13s.
75 Rica, 4s. 3d.
10 Richmond, £10¼.
20 Sweetland, £3 is. 3d.
70 So. Ro. Grav., 11s.
50 St. Patrick, 22s. 6d.
20 W. Tankerville, 26s. 6d.
20 W. Tankerville, 26s. 6d.
40 W. Eagar Lie. 12s 6d.
60 West Milwr, 5s. 6d.

I NVESTMENTS IN STOCKS AND SHARES. BRITISH and FOREIGN STOCKS and SHARES BOUGHT and SOLD. List of Prices and other information sent on application.

Bankers: The Alliance Bank (Limited), L MR. P. WATSON, 79, OLD BROAD STREET, LONDON, E.C.

(Close to Stock Exchange.) FINANCIAL OPERATIONS NEGOCIATED.

M. ALFRED E. COOKE, STOCK AND SHARE DEALER, 76, OLD BROAD STREET, LONDON.
(Established 1863.)

Mr. COOKE offers the following Shares, or any part, free of commission:—

40 Bampfylde, 18s. 6d. 15 Marke Valley. 15 Roman Gravels, £12½
20 Cakemore Colliery, £5 20 Monydd Gorddu, £6½
20 Konson Grav., 10s 6d
25 Cathedral, 26s. 10 New Sharlston. 50 Galabeck Fells, 8s. 6d. 20 No. Prince Patrick. 25 Saint Patrick, 22s. 6d. 50 Firl Tree House Coll. 30 Parlys Mount., 12s. 3d. 5 Van. 50 Parlys Mount., 12s. 3d. 5 Van. 100 Javail. 50 Poistive, 15s. 100 Fenstruthal, 10s. 9d. 5 Van. Consols. 50 Llanrwst Lead. 50 Positive, 15s. 100 West Maria. 75 Plynlimmon.

Shares having no quotations affixed may be had at lowest market prices.

Shares having no quotations affixed may be had at lowest market prices. Business transacted in nearly all Coal, Iron, Manufacturing, and Miscellan

Buyer of Chapel House, Tyllwyd, and Plynlimmon.

Mr. Cooke can recommended shares in a few mines which are now very low, and certain to advance.

Bona fide investors should apply at once.

Now ready, Mr. Cooke's Monthly Circular, with valuable tabulated form of investments; most useful for reference. Send address, with stamp.

MR. T. E. W. THOMAS, SWORN SHARE BROKER, 3, GREAT WINCHESTER STREET BUILDINGS, E.O. Established 1857.

The following are the latest prices at which business could be done. Where the difference between the buying and selling price is wide transactions may be effected at an intermediate price:—

Buyers, Sellers.	Buyers, Sellers.
Birdseye Creek 134 13/	
Bog 78 88.	Plynlimmon 10s 11s.
Carn Brea 55 571/2	Port Phillip 14s 16s.
Chapel House 33/ 4	Richmond £ 974£ 101/3
Devon Great Consols 278 3	Roman Gravels 12 1214
Dolcoath 48 50	St. Patrick 1 1%
Don Pedro 15s 17s.	South Carn Brea 134 176
Eberhardt 81/4 81/4	80. Roman Gravels 10s 12s.
East Caradon 11/2 13/2	80. Prince Patrick 134 214
	Sweetland Creek 27% 3
East Lovell	Tankerville 10½ 10¾
East Van 11/2 13/2	
Flagstaff 11/4 13/4	
Gawton	Van Consols 17/8 21/8
Gold Run	
Hingston Down 1 1%	
Javali	West Tankerville 11/4 13/4
	Wheal Crebor 234 234
New Quebrads 334 4	
Parys Mountain 12s 14s.	Wheal Jane 3 81
Pateley Bridge 51/2 51/2	Wh. Kitty (St. Agnes). 3 35
Pennerley 134 15	
remericy	Wheal Peevor 3 3½

W I L L I A M
(LATE WARD AND LITTLEWOOD),
C R O S B Y H O U S E, WARD

95, BISHOPSGATE STREET WITHIN, E.C., STOCK AND SHARE BROKER.

M. R. E. J. BARTLETT, STOCK AND SHARE DEALER, No. 30, GREAT ST. HELEN'S, LONDON, E.C. (Established 10 years), has SPECIAL BUSINESS in South Condurrow, Prince Patrick, Wheal Kitty, Penhalls, and Chapel House Shares at close prices.

E. SIMPSON, STOCK AND SHARE DEALER,
6, GREATWINCHESTER STREET BUILDINGS, LONDON, E.C., will
8ELL the FOLLOWING SHARES, free of commission:
40 Assheton, 27s.
50 Bog, 8s.
75 Gold Run, 18s.
30 Birdseye, £1 18s. 9d.
50 Chontales, 12s. 3d.
50 Codar Creek.
50 Marke Valley, £2 3s.9
50 Chapel House, £3 17 6
50 Devon Consols, £2 18 9
50 Devon Consols, £2 18 9
50 Eberhardt, £8 7s. 6d.
50 Panerley, £1 11s. 3d.
50 East Van, 27s. 6d.
50 Penstruthal, 11s. 6d.
50 West Chiverton, £16.

MESSES. HARLAND AND CO., STOCK AND SHARE DEALERS, 285 and 286, GERSHAM HOUSE, OLD BROAD STREET, LONDON, E. C. Bankers: London and County Bank.

Messrs. H. and Co. have Special Business in Chapel House and Alltami Collieries Shares, also in the shares of the Oregon Gold, and the Patent Ligno Mineral Paving Companies, and will be happy to give full particulars of the above desirable investments investments on application.

Dealings at closest market prices in all kinds of Stocks and Shares.

MESSRS. A. ENDEAN, FISHER, AND CO., STOCK AND SHARE DEALERS, 3, LOMBARD COURT, LOMBARD STREET, E.C. Bankers: London and Westminster, Lothbury.

M. W. TREGELLAS, 122, BISHOPSGATE STREET WITHIN, E.O.,

Deals in all descriptions of Stocks and Shares at close market prices.

MESSES. ENDEAN AND CO., STOCK AND SHARE DEALERS, 85, GRACECHURCH STREET, LONDON, E.O. Government and every negociable Stocks dealt in for cash or account. Orders and telegrams punctually attended to.

JAMES STOCKER, STOCK AND SHARE DEALER, 2, CROWN COURT, THREADNEEDLE STREET. Bankers: London and Westminster.

J. S. TRANSACTS BUSINESS in Railway Shares, Stocks, Debentures, Bank, Telegraph, Insurance, Gas, and Miscellaneous Shares having no regular quotation. Accounts opened for the fortnightly settlement, and shares sold for forward delivery on receipt of cover.

SPECIAL BUSINESS in the following British and Foreign Mines, Colliery, and other Shares:

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SPECIAL BUSINESS in the following British and Foreign Mines, Colliery, and other Shares:—
10 Birdseye.
10 Birdseye.
15 Bilson and Crump.
70 Rog, 7s. 6d.
80 Caldbeck Fells.
80 Cadre Creek, 13s. 9d.
15 Undson's Bay.
10 Codar Creek, 13s. 9d.
15 Chapel House, 23%.
15 Chapel House, 23%.
16 Colorado.
10 Cook's Kitchen, 28%.
16 Consolve, 28%.
17 Departmental, 11s.
18 Emma, 21%.
19 East Van.
18 Emma, 21%.
10 East Van.
19 Emberhardt, 28%.
10 Fragtaff, 25s.
10 Frontino, 22s. 6d.
10 Gold Eun, 17s. 6d.
10 Frontino, 22s. 6d.
10 Frontino, 22s. 6d.
10 Fragtaff, 25s.
10 Perpendicular, 13s. 9d.
10 Fragtaff, 25s.
10 West Chiverton, 18%.
10 West Chiverton, 18%.
10 West Chiverton, 18%.
10 Wheal Grenville, 23%.
10 Wheal Grenville, 23%.
10 Wheal Jane.
10 Wheal Jane.
10 Wheal Jane.

MR. T. P. THOMAS, MINING AGENT AND SHAREDEALER, 3, CROWN COURT, THREADNEEDLE STREET, LONDON. Business transacted in Mining and Colliery Shares of every description.

T. P. T. can SELL the following Shares:

25 Birdseye, £1 13s. 9d.
20 Bedford Unit., 17s. 6d
100 Bog, 7s. 9d.
20 Chapel House, £4.
20 Colorado, £2 11s.
100 Don Pedro, 14s.
20 East Caradon, 32s. 6d.
20 Emma, £1 13s. 9d.
20 Est Caradon, 32s. 6d.
20 Emma, £1 13s. 9d.
20 Est Caradon, 32s. 6d.
20 Forentely, £15s.
20 Forentely, £15s.
20 Forentely, £15s.
20 Forentely, £15s.
20 Prince Patrick, £3.
20 Pensetry, £15s.
20 Perince of Wales, 3s. 9d.
20 Parys Mount., 13s.
20 Plynlimmon, 10s.

10 Richmond, v10.
60 Rica, 4s. 3d.
20 Sweetland, £3 1s. 3d.
20 So. Rom. Grèvels, 12s.
20 So. Condurrow, £5½.
50 St. Patrick, 20s.
50 St. Patrick, 20s.
50 Van Consols, £3.
90 West Maria, 8s.
30 W. Tankerville, £8s.
100 W. Esgar Lle, 12s. 6d.
10 West Chiverton, £16½.
20 Wheal Grenville, £2½.

M R. CHARLES THOMAS, MINING AGENT, STOCK AND SHARE DEALER, 3, GREAT ST. HELEN'S, LONDON, E.O.

MESSRS. A. W. THOMAS AND CO..
10, COLEMAN STREET, E.C.,
MINING AGENTS, AND STOCK AND SHARE DEALERS,

"INVESTMENTS AND SPECULATIONS FOR 1875."

SAFE DIVIDEND INVESTMENTS.

Dividends 5 to 10 and 12 per cent. per annum on outlay. SHARP'S STOCK AND SHARE INVESTMENT CIRCULAR,

Is the safest, most trus tworthy, and valuable publication of the day. Read the OCTOBER EDITION, 12 PAGES, POST FREE. Safe Investments in English and Foreign Railways, Preference and Debenture Stocks, Telegraph, Water Works, Gas, Dock, Insurance, Bank, Tramway, Shipping, Tand, Mine, and Miscellaneous Shares, &c.; Foreign Loans, Bonds, &c.; Indian, American, and Colonial Stocks. Dividends, Reports, Market Prices, &c. CAPITALISTS, SHAREHOLDERS, EXECUTORS, INVESTORS, TRUSTEES,

Should read the above Investment Circular. It is a Safe Guide to Investors.

Messrs. GOULD SHARP AND CO., 38, POULTRY, LONDON, E.C. Established 1852.—Bankers: London and Westminster, Lothbury, London, E.C.

HARES. - WANTED TO PURCHASE, FOR CASH:-Sellers must state number of Shares to—
GOULD SHARP AND CO., 33, POULTRY, LONDON, E.C.

MESSES. HARVEY, JORDAN, AND CO., MINING ENGINEERS AND AGENTS, ACCOUNTANTS, AUDITORS, MANAGERS OF PUBLIC COMPANIES, &c. In connection with Messrs. TEAL, FOSTER, and Co., Georgetown, Colorado.

Mineral Properties Inspected. LONDON OFFICES-30, MOORGATE STREET, E.C. THE LLANTRISSANT TIN PLATE WORKS. THE PLANET SILVER MINING CO.

HENRY CAMERON AND CO., STOCK AND SHARE BROKERS
AND DEALERS, 36, NEW BROAD STREET, LONDON, E.C.,
Have SPECIAL BUSINESS in Sound Dividend-paying Cotton Manufacturing
and Spinning Companies. Also, in non-risky Mining Shares—as Chicago Silver,
Gold Run, and other sure Mines.

Cameron's "Investment Gazette" sent on receipt of three stamps."

MESSRS. MARSHALL, BROWN, AND CO., STOCK AND SHARE DEALERS.
63, CORNHILL, LONDON, E.C.

Some Bampfylde Shares FOR SALE at a low price.

GROSVENOR, ENTWISLE, AND CO.,
STOCK AND SHARE BROKERS,
88, PORTLAND STREET, MANCHESTER.

MESSRS. J. TAYLOR AND CO., 86, LONDON WALL, E.C., and MINING EXCHANGE, SOUTH KING STREET, MANCHESTER, MINING ENGINEERS AND UNSPECTORS.

Business done in all descriptions of Stocks and Shares.

R. PERCY ROBE FINANCIAL AGENT, CARLISLE. ROBERTS, \mathbf{M}^{R}

T I M O T H Y H U G H E S, 59, SEEL STREET, LIVERPOOL.

The Registered Office of the PRINCE PATRICK GROSVENOR, WEST BRYN OELYN, CENTRAL FOXDALE, and GREAT EAST FOXDALE LEAD MINING COMPANIES (LIMITED). Full information respecting these Mines forwarded on application.

RELIABLE INFORMATION given respecting Mines in the Isle of Man, Flint-shire, and the neighbouring districts.

M. R. EDWIN SKEWIS, WASHFORD, TAUNTON, MINING AND MECHANICAL ENGINEER,

MINING AND MEUHANIUAL ENGINEER,
SURVEYOR AND VALUER,
Engineering Flans and Sections. Specifications and Estimates prepared for all
kinds of Engineering Work. Surveys of every description made and levels taken.
Mines managed. Machinery erected. Reports on Mineral Properties. References.
IRON ORES A SPECIALITY.

MR. JOHN SPRAGUE, late General Manager of the El Dorado Gold Mining Company, Nova Scotia, SEEES similar EMPLOYMENT or INSPECTION in any healthy part of the world. First class references. Address, Tenby Villa, Holloway, N., London.

A GENTLE MAN, who has had extensive experience, and is thoroughly acquainted with the TREATMENT OF LOW PER CENT. COPPER ORES by the Wet Process; the Smelting of Copper Precipitates; and the Designing and Erecting the necessary Plant for the above, is open to an ENGAGEMENT. First-class references, and a good connection in the Spanish Parities Trade.

Address, "Copper," Stratford House, Holywell, North Wales.

POR SALE,—An EXTENSIVE and PROSPEROUS SLATE and SLAB QUARRY in NORTH WALES.
Apply, "O.," MINING JOURNAL Office, 26. Fleet street.

REMOVAL OF OFFICES TO 76, CHEAPSIDE,
From 2t, Gresham-street, London, E.C.

WIRE TRAMWAYS ARE NOW IN OPERATION IN ALL
PARTS OF THE WORLD.

By recent improvements, inclines as steep as 1 in 3 can be surmounted, and
ravines up to 200 yards can be crossed without intermediate support. Quantities
from 50 to 500 tons daily can be thus transported.
For full information, and references to examples at work, apply to the Engineer,
W. CARRINGTON, 76, CHEAPSIDE.

1150 BLAKE'S PATENT ORE-CRUSHERS

ogues, apply to—
MR, H. R. MARSDEN, SOHO FOUNDRY, LEEDS,
Only maker in the United Kingdom,

NOTICE TO BRITISH AND FOREIGN MINING COMPANIES.

CONTRACTS FOR HIGH AND LOW CLASS ORES. HALVANS, SKIMPINGS, BURNT LEAVINGS, &c.

TENDERS ARE INVITED FROM MINES IN A POSITION TO SUPPLY THE ABOVE.

Forms of tender and all information may be obtained on application to the Profit Union (Limited), 8, Union-court, Old STEPHEN H. EMMENS, Managing Director.

THE METAL TRUST.

This Trust has been instituted under the auspices of the Profit Union (Limited) for the purpose of providing funds for the erection of works adapted to the treatment of low-class metallic ores by Emmens' "Nascent Copper" and other processes.

At the Emmens United Mines and the New Consols Tin and Arsenic Works (Lizited) this treatment has been for some time past in operation to the extent of upwards of 800 tons of ore monthly. The result has been to prove, on slarge scele, that by this means ore containing as little as 1½ per cent. of coper and 3 cozs. of sliver to the ton may be treated at an average profit of over 10s. per ton, and that this profit is proportionately augmented with every increase in the richness of the ore. Much of the poor ore treated at the Emmens United Mines, for example, yields a net profit of from 20s. to 30s.

It must be remembered that the low-class ores in question are not suffi-ciently productive to be saleable in a raw state, and are usually thrown aside as waste, the quantity of such wastes produced at most mines being far in excess of the ore actually sent to market. Hence the returns of these mines would be materially increased by the adoption of the "Nascent Copper"

would be inateriary process.

The difficulty to be contended with is simply a want of capital for erecting the necessary works, and if this capital could be advanced there are numerous mines ready to offer unimpeachable security and very advantageous terms for its employment in this manner, as they would thus soon be enabled to enter the dividend-paying list.

To meet this requirement the Metal Trust has been formed for the issue of

bonds, secured upon the buildings, plant, and machinery provided and acquired from time to time by the Profit Union (Limited) in the execution of contracts - utered into with various mines for the treatment of metallic ores.

These bonds are issued to bearer for the sum of £10 each, and the price of

issue is £8, payable as follo £1 on application.
2 on allotment.
5 three months after allotment.

Coupcus for interest at 8 per cent. per annum, payable half-yearly are attached to the bonds, and redemption at par (£10 per bond) is effected by annual drawings, extending over ten years from the date of issue, the bonds issued in each year constituting a fresh series for this purpose. After poviding for interest and redemption, and for the expenses of management (limited to 2 per cent. upon the amount of bonds current from year to year), any balance of profit that may remain from the carrying out of the contracts is divided into two equal moieties, whereof one-half is paid to the Profit Union (Limited), and the other is paid to the Metal Trust, the additional bonds thus created being drawn for and distributed by way of bonus amongst the existing bondholders.

The accounts of the Trust will be audited once in every six months by Messars. Johnstone, Cooper, Wintle, and Co., public accountants, of 3, Coleman-

street Buildings, E.C., and a copy will be forwarded to every bondholder on

application.

Dr. Stephens H. Emmens, the managing director of the Profit Union (Limited), and the proprietor of the Emmens United Mines, near Callington, in Cornwall, will superintend the business details, and will be assisted by the following gentlemen, whose skill and experience are well known, viz.:—
Dr. J. W. Perkins, F.C.S. (late of the New Consols Tin and Arsenic Works

Dr. J. W. Perkins, F.C.S. (late of the New Consols III and Alexander Dr. J. W. Perkins, F.C.S. (late of the New Consols III and Alexander (Limited).
Capt. H. Bennett (Emmens United Mines).
Capt. G. Spargo (late of the Newton Heath Reduction Works).
Capt. G. Spargo (late of the Newton Heath Reduction Works).
Capt. Thos. Neill (Harewood Consols).
It will thus be evident that the Metal Trust is an industrial undertaking of a legitimate character, and must confer great benefits upon the mining establishments of the country. At the same time its bonds constitute a perfectly safe investment, as they are secured upon substantial property; while the terms of interest, redemption, and bonus are such as to render them more than usually remunerative.

Without attempting to institute invidious comparisons, it may be observed that the Metal Trust is not leaded by any promotion money or preliminary expenses, and that the bondholders will have the satisfaction of knowing that their subscriptions are wholly devoted to the useful and profitable purpose for which they are contributed.

helr subscriptions are whonly devoice to the accompanying form, which to-high they are contributed. Application for bonds must be made on the accompanying form, which to-ether with the deposit, must be forwarded to the undersigned, at the office of he Profit Union (Limited), 8, Union Court, Old Broad-street, London, E.C. August, 1875. By order, STEPHEN BOOME, Secretary.

FORM OF APPLICATION FOR BONDS OF THE METAL TRUST.

To the Managing Director of the Profit Union (Limited). Sir.—Having paid you & , being a deposit of £1 per bond upon bonds of £10 each of The Metal Trust, I hereby request you to allot me such bonds, and in the event of your so doing I agree to pay you the further sum of £7 per bond by the instalments set forth in the annexed prospectus of the Trust.

Full name

FORM OF RECEIPT. (To be signed by the Bankers of the Profit Union, Limited, and returned to the applicant).

Received of Mr. the sum of , being a deposit of £1 per bond in respect of an application for bonds of the Metal Trust,

Original Correspondence.

THE MINERAL RESOURCES OF THE SOUTH-WEST OF IRELAND-No. XXII.

[FROM OUR SPECIAL CORRESPONDENT.]

THE BEREHAVEN DISTRICT, EAST.—The road from Castletown to Kenmare is exceedingly interesting, and affords splendid views of the Kenmare river and harbour. On the opposite side is Dromore Castle, the beautiful residence of R. Mahony, Esq., J.P., &c., the Dunkerron and Kilcrohane mountain, West Cove, and Derrynane, the late Kerry residence of O'Connell. The Caha mountain range, which divides Bantry Bay from Kenmare river, are numerous unexplored lodes of quartz, &c., containing yellow copper ore. Glenmore, in this range, is 2169 ft. above the sea level. The large and promising lodes in this mountain were about to be opened some time since, but the principal person having died suddenly nothing was done. On the top of Glenmore there is a large lake, from which a river flows into Kenmare Harbour, and in its descent might be applied for driving extensive machinery. To the east of Glenmore Lake there are loughs 2116 ft. above the sea level. These loughs overflow into Glen Irchiquia, thus forming the upper, middle, and lower lakes of Clonee; from thence a large river flows into Kenmare Harbour; this river affords first-rate salmon fishing, while the Clonee lakes are full of trout. Between Clonee and Kenmare, near the shore, there are good indications of copper ore, and in some places rich carbonate of copper may be seen.

The approach to Kenmare along the "Wood-road," with the light handsome structure of the suspension bridge thrown across the river, is as delightful a picture as can be imagined, and the new church, on the rising ground beyond the bridge, makes a perfect finish for the back ground. The site of "Cromwell's Fort" is at the to Kenmare is exceedingly interesting, and affords splendid views

river, is as delightful a picture as can be imagined, and the new church, on the rising ground beyond the bridge, makes a perfect finish for the back ground. The site of "Cromwell's Fort" is at the north end of the suspension bridge. I have often seen rich specimens of copper ore dug up near this spot. Kenmare and the surrounding districts suffered severely during the famine of 1846-7. The poor people were almost naked, starving, and dying, and as an immediate supply of food and clothing could not be procured, two clergymen, one a priest and the other a parson, resolved to go to London, and apply for help. They were well received by noblemen wealthy merchants, &c., and during their sojourn in the great metropolis they were invited to dine with a wealthy Jew; but on the day previous to the appointment the parson said he had scruples of conscience in dining with a Jew. "Well," said the priest, "have you any scruples of conscience in taking the Jew's money? Our neighbours are dying of starvation. Put your scruples in your pocket. Let us go by all means." They went, and were not only most hospitably entertained, but received a noble donation from the kind and generous Jew. The parson and priest were delighted with their reception, and returned home rejoicing, and praising the Jews, Gentiles, and Saxons of London.

There is an excellent road from Kenmare, 14 miles, to the tunnel

yith their reception, and returned home rejoicing, and praising the Jews, Gentiles, and Saxons of London.

There is an excellent road from Kenmare, 14 miles, to the tunnel, which has been cut 200 yards through the Esk mountain On emerging from the tunnel one of the grandest sights in Europe suddenly bursts in view. The noble expanse of Bantry Bay, and the exquisite scenery of the valley of Glongarriffe, as you wind round the rugged road in the side of the mountain, at an elevation of 600 ft. has the appearance of a delightful revolving panorams. No person can see Glengarriffe properly without ascending to the tunnel; and the Kerry mountains can best be seen in their majestic grandeur when descending from the tunnel to Kenmare, A well-known writer has remarked that no scene in all the concentrated beauties of Killarney can vie in sublimity of character, in greature. beauties of Killarney can vie in sublimity of character, in greatness of effect, in the softer graces of the waving wood, or in the wilder rudeness of the mountain aspect of Glengarriffe. The climate of Glengarriffe resembles that of the South of Europe, it being completely sheltered by the encircling woods and overhanging mountains. The beautiful lake in front of "Eccles's Hotel" is adorned with pickureaue islands of various fewered dimensions. with picturesque islands of various forms and dimensions, some merely denuded rocks, others crowned with oak and the flowering asbestus." The late Ned Barry drove the tourists car for many asbestus." The late Ned Barry drove the tourists car for many years from Glengariffe to Killarney, and many a time poor honest Ned was driven to his wit's end to get his horses up the steep hill with a heavy load to the tunnel. On one occasion, with a heavy load to the tunnel. On one occasion, with a heavy load to the tunnel. On one occasion, with a heavy load to the tunnel. On one occasion, with a heavy load to the tunnel. On one occasion, with a heavy load to the tunnel. On one occasion, with a heavy load to the tunnel. On one occasion, with a heavy load to the tunnel. On one occasion, with a heavy load to the tunnel. On one occasion, with a heavy load to the tunnel, of passengers, Ned's horses got completely blown, and came to a dead stand a little beyond Lord Bantry's lodge gate. Not an inch more would or could they move. A Cockney tourist, stiting on the box seat, enquired of Ned what he was stopping for. "Blood an ouns, Sir," says Nod', pointing with his whip down the glen, "do you see that p" "Yes." "Did you ever see scenery before equal to that p" "Yes." "Did you ever see scenery before equal to that p" "It is very fine," said the Cockney. "I tell you, Sir," said Ned, "the devil a one of my horses will ever pass this spot without stopping to have a look at the form at the two ends there was driven in the 49 weeks preceding that date each end (including stoppages for repairs, absence of water through each end (including stoppages for repairs, absence of water through ice, snow, and avalanches, and delay occasioned by water in the end. The highest speed was obtained with the Ferroux drill in the Airologen Ned's four horses were all blind; and the Cockney tourist ad-

mitted that he was not aware until then that horses admired fine views. It is a delightful sail from Bantry to Glengarriffe, and tourists often avail of this route. Jerry Hurley is the well-known pilot of the port. When he writes a note on business he subscribes himself "Yours truly, Jerry Hurley, pilot, by the grace of God."

THE GREAT RAILWAY TUNNELS OF THE ALPS-THE ST. GOTHARD.

In his communication relative to the St. Gothard Tunnel, read before the Geographical Congress at Paris, Mr. Louis Sautter remarked that the success of the work of making long tunnels by mechanical engines is due principally to the employment of compressed air as a means of transmitting the motive power. In 1846, when the question of the Mont Cenis Tunnel was first raised, and when the Piedmontese Government had entrusted the survey of the project to the Belgian engineer, Mr. Maus, that gentleman invented a drilling apparatus which, tried the same year at the Val d'Oc, near Turin, gave remarkable results; but it was necessary to work it at a great distance from the power, and the employment for this purpose of the wire-ropes proposed by Mr. Maus presented difficulties which were practically insurmountable. The Sardinian Government, when publishing, in 1849, the report of the technical commission appointed to examine the project of Mr. Maus, and which decided upon its adoption, put, as it were, en demeure all the engineers who had given observations and advice on the subject of this new and bold enterprise. In spite of the publicity given to this report, and to the satisfactory experiments in the Val d'Oc, it may be affirmed that from 1848 to the end of 1852 neither the Mont Cenis commission nor the Sardinian Government had brought forward mechanical engines is due principally to the employment of comcommission nor the Sardinian Government had brought forward any proposition worthy of attention. The idea of transmitting power by compressed air, which is to-day so general that it seems strange that everybody did not think of it at once, had not suggested itself to anyone. In the absence of exact experiment it was believed that the movement of air through tubes of small diameter could not be effected with friction and loss of pressure as great could not be effected with friction and loss of pressure so great that at a short distance almost the whole of the effective force would be absorbed. To Prof. Colladon, well known by his scientific labors and one of the founders of the Ecole Centrale of Paris, belongs incontestably the merit of having first made exact experiments on this subject, and the still greater merit of having communicated, in 1852, these results to the Sardinian Government, at the same time explainthese results to the Sardinian Government, at the same time explaining various methods of economically compressing air and utilising it for machine drilling and ventilation. Prof. Colladon's communication led to the abandonment of the methods proposed by Mr. Maus, and the compressed air system was definitively adopted for the Mont Cenis Tunnel. It is regrettable that the distinguished Italian engineers who conducted the work rendered no greater justice to Prof. Colladon, and took no notice of the rights which his patents had secured to him, which rights he has never ceased to maintain. Eighteen years later we again find Prof. Colladon in connection with the St. Gothard enterprise, of which he is the consulting engineer. He now rejects the employment of the enormous machines with a column of water, without the aid of which the Mont Cenis engineers believed the compression of the air to the required degree

engineers believed the compression of the air to the required degree was impossible. He shows that this compression may be obtained work, and unnecessary wear and tear in the parts of the machine. The advantage of these innovations, which justifies the same being said of Prof. Colladon with regard to air-compressing apparatus as was said of Leon Foncault with regard to air-compressing apparatus as was said of Leon Foncault with regard to electric light regulators—
"He has said upon this question the first and the last word"—may be reaumed thus:—At Mont Cenis (Bardonnèche side) it was necesaryin order to obtain per minute 8 cubic metres of air compressed to 7 atmospheres to use 7 large hydraulic wheels, working 28 air-pumps, the whole contained in 7 distinct buildings, covering a superficial area of 2000 square matres. At St. Gathard (Gaeschann side) ficial area of 2000 square metres. At St. Gothard (Goeschenen side) they obtain per minute 20 cubic metres of air, compressed to 8 atmospheres, by means of 4 turbines (weighing together scarcely more than one Mont Cenis water-wheel), and 15 Colladon air-pumps, the

(= 22 1ms. the week, or over 3 fms. per day). On Sept. 1 th total length driven both ends was 4637.50 metres, leaving 10.29250 metres (= 5880 fms.) to drive.

JOINT EXCURSION OF MEMBERS OF THE NORTH AND SOUTH STAFFORDSHIRE INSTITUTES OF MINING ENGINEERS TO SCOTLAND.

In compliance with the kind invitation of His Grace the Duke of Sutherland, conveyed through Mr. C. J. Homer, of Chatterley, a party consisting of some of the most prominent member of these kindred Institutes travelled to the Far North of Scotland to inspect the contract of the second contract of In compliance with the kind invitation of His Grace the Duke of Sutherland, conveyed through Mr. C. J. Homer, of Chatteley, a party consisting of some of the most prominent member of these kindred Institutes travelled to the Far North of Scotland to inspect His Grace's colliery and extensive works now in progress, all contributing to the reclamation, development, or improvement of the bleak and barren wilds. The members who attended were Mr. C. J. Homer, managing director of the Chatterley Company, and President of the North Staffordshire Institute; Mr. J. Hopkinson, Chairman of the Chatterley Company; Mr. Schofield, another director, Major Hesketh; Mr. John Hughes, President of the South Staffordshire Institute of Mining Engineers, Messrs. H. Johnson, R. Heath, T. Latham, J. Brown, W. Spruce, S. Spruce, R. Latham, J. Newey, T. Dundo, J. Bailey, J. Addenbrooke, S. Mason, S. Rowley, J. Turley, W. Webster, T. Lloyd, J. Dawes, G. Barker, J. Rigby, J. Swain, R. Plant, J. Potts, R. Clive, Gavin Addin Payton, Ralph Moore, Government Inspector for the Eastern Division of Scotland, and Alexander Smith, C.E., secretary of the South Staffordshire Institute, who had charge of the party. The company proceeded in two sections on the 10th and 11th instant by the United Mail, and met at the Royal Sutherland Arms Hotel, Golspie, where secommodated the visitors over the magnificent grounds surrounding, and also conducted the visitors over the magnificent grounds surrounding, and also conducted the visitors over the magnificent grounds surrounding, and also conducted the visitors over the magnificent grounds are requarries in the immediate neighbourhood, and the whole contour of the structure is grand and imposing the fine modern Dunrobin Caste. The castle is built of a pure white stone behavior of the castle there is a wite and extensive sea view over the Moray Pirit, and the castle of the Charles of the castl

marls.

After a thorough examination of the stone quarry the visitors were conducted by the Duke, accompanied by the Earl of Calthness, Lord Colville, and others of the nobility, to his colliery at Brora. At these pits workings are being opened up in the collie coal, which is 3 ft. 6 in. thick, and if we are not mistaken this is the only place in the world where it is worked. The coal, though tender, is very bright, and is a valuable product so far north. The following is an analysis of an average sample:—

He took with him doctors, and picked up all the workmen he could collect itself the sides of the line during the journey. It was found that the 12 o'clock instruction with the metals before reaching a bridge, over which it safely ran although of the rails; but about 30 yards over the bridge the engine ran down the embankment, turning completely over on its back, and took with it the tender and two carriages; two other carriages and two vans were only prevented from rolling down the embankment on the opposite side, nearly 50 it. into a river, by the x-traordinary strength of a coupling chain. The line was, of course, blocked for some time, and the party had to proceed on foot to the nearest station. His Grass gave up his train for the use of the railway company to carry passengers from the north side of the debris to their destination, and he remained with his visitors at Heimsdale till nearly 1 o'clock in the morning. It is a miraculous thing that noss of the passengers were injured in this accident. We must not neglect to state that the party or route for Wick alighted at some works where the Duke is making coke from peats. This production has been tested in the manufacture of its plates, and found to answer admirably.

On Wednesday the party proceeded to Lairg, and walked over the reclamsten works. The Duke is here, by means of powerful machinery, clearing the past works. The Duke is here, by means of powerful machinery, clearing the past yout on, so that the rents are increased from 6s. to 11. per acre. These lands were at one time luxuriant in growth, but during the glacial, or some more recent priod, cold and storms have blighted and carried away what must have been saft forests, so that twe have now only the peat formation containing the gignatic rost of trees and atones and bolders which have been swept or carried in by the ion. The clearing is accomplished in this wise—dirat deep trenches are dug and figure of the carried and the way and the area of the first of the past of the past of the past of the r

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ridding it of its contents, and putting it in position to start back again to its work. There are five pairs of engines engaged here, and they plough about an acre, each plar are five pairs of engines engaged here, and they plough about an acre, each plar, per day. The entire cost of clearing, including the erection of farm buildings, averages 22, per acre, so that there is no doubt His Grace will be amply rewarded averages 22, per acre, and for his endeavours to improve and add to the property of the country generally. Seven or eight hundred acres are now under cultivation, and the crops are excellent. Now that the machinery is so perfected 100 cleaned her visitors bade farewell to the Duke, and heartily thanked him for his great kindness and attention.

At Inverness, upon the journey southward, the party were entertained by Mr. Homer, and they then proceeded homeward by way of Caledonian Canal, Oban, Adrossu, and Ghasgow. This route has been too often explained to need notice 4 mm us now.

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Meetings of Bublic Companies.

UTAH SILVER-LEAD MINING COMPANY.

UTAH SILVER-LEAD MINING COMPANY.

The adjourned extraordinary general meeting of shareholders was held at the offices, Austinfriars, on Tuesday,
Mr. GRORGE BATTERS in the chair.

Mr. LAVINGTON (secretary) read the notice calling the meeting. The CHAIRMAN said: Gentlemen, you are aware that the meeting (of which this is an adjournment) was originally called by the directors to ask your advice as to what course should be pursued in the future management of the company. The opinion of the meeting was that an inspection of the mine should be made, and that the directors should endeavour to obtain all the information possible, and report to a subsequent meeting; the opinion of the meeting also was that Mr. Woodifield (who had been sent out by the Flagstaff Company) should be requested to inspect our mine, if his services could be obtained at a cost not exceeding 50%, and, failing Mr. Woodifield, that we should endeavour to get someone else. The finances of the company at that time, as at the present, were at so low an ebb that economy was indispensable—that is to say, the company was not in a position to pay any very large fee to anyone. The property has been inspected so many times, and always with such sad results, that the directors themselves had no very great heart to incur any further expenditure in the way of inspection. However, every effort was made to obtain the services of Mr. Woodifield, through Mr. Snell, who was the solicitor to the Flagstaff, who had sent Mr. Woodifield out, and it was thought that Mr. Snell could secure his services cheaper than anyone else. We were not also to secure a report from Mr. Woodifield at the cost of 50%, as he declined to inspect it under 100% and his expenses, and as the directors saw nothing very particular to be gained by the report his services of mr. Longmaid (who is no longer in the company's service), and from Mr. Argall, all following up the same miserable story. We have been told over and over again that there is no ore in the mine, or that someone else, to whom

Argall, at a cost to us of 200., per montat. There is stall an amount owing us by Mr. Bateman of about 300., for which we have instructed our solicitor to such him. Mr. WALKER: What has become of the large balance which was shown in the last balance sheet?

The CHAIRMAN: Mr. Lavington will answer that question. I may say that a few days ago I met Mr. Wilson, a large sharcholder, who takes a very great interest in the mine, he told me he could not attend this meeting, and I said I would try and get the meeting adjourned to a day which would suit him. Therefore, the only course will be to adjourn this meeting, if it be your pleasure, in order that Mr. Wilson may have an opportunity of attending. I have, as I have said, seen him, and told him the circumstances, and requested his advice and assistance, in the same way as we shall be glad to have the advice and assistance of any shareholder. I think the best thing would be to sell the mine and divide the assets (if here are any) amongst the shareholders. As far as we are concerned it seems impassible for us to arrive at any result likely to benefit yourselves or us, and I am heartily and entirely sick of the whole affair.

Mr. T. G. Taylos said he gave the directors credit for having acted honestly and to the best of their judgment, but no doubt they had been kept in ignorance of the real state of things, and fooled by people on the other side. He had every reason to believe that the company possessed a property in the mine, and yet they had a man §100 per month to let people in to steal the ore. They had a short time sines a man named Longmaid in their employment, who found it convenient to establish works on a spot close by, and to shuffle out of this company's service. The mine was then let to another person, who use I a jigging machine, and made use of this company's ores. He did not like to say that there was only one gentleman at the board in whom he had con' idence; he had the most perfect confidence in the honour and integrity of Mr. -atters, who had, to his

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and not last June.

The CHAIRMAN added that the directors had never received a farthing in the shape of fees.

Mr. SNELL (solicitor): Before Mr. Woodifield went out I endeavoured to make Mr. SNELL (solicitor): Before Mr. Woodifield went out I endeavoured to make an arrangement with him to inspect the mine, and as I was limited to price I offered him 35 guineas, but he refused to do it for that. I then offered him 50 guineas, and he agreed to do it for that if his expenses were paid, but afterwards he wrole to say that he was glod I did not accept his offer, as it would not have paid him. I understand that Mr. Woodifield arrived in England on Saturday; I shall, no doubt, see him in a day or two, and if you adjourn the meeting I will secretal what he has done. to get something out of the fire; we want to consult you. It has been an unhappy and an unfortunate affair, and I repeat I am heartily sits of it. I wish something could be done to relieve us of the responsibility, not that I want to leave. I never yet left a sinking ship, and I will stick to it to the very last, and do my best in the interests of the shareholders. There is no wish on my part to run away from a duty. As long as I can be of service to you you may command me, but when I can be of no further use put someone in my place. I do not see any use of going to the expense of resuscitating the company; if you think it is desirable to work the company some means could be devised to save the expease, and if Mr. Wilson and two or three shareholders would come on the board and assist in carrying out the views of the shareholders we should be only too glad. What we want to do is simply for the best. I have stated to you, as I have done all along, the miscrable position in which we have been placed from time to time by the deepedion practised upon us by reports which existed only in people's Imagination as to the value of the property in order to delue and deceive us.

What we want to do is simply for the best. I have stated to you, as I have done all along, the miserable position in which we have been placed from time to time by the deception practised upon us by reports which existed only in people's imagination as to the value of the property in order to delue and deceive us.

Mr. T. G. TAYLOR asked whether it was not better to clear away the old rubbish, and erect the company upons new foundation? If Mr. Applegarth and Mr. Wilson would undertake to form and manage pro tem a new company, he would suggest that this existing company might sell its property to such new company at a merce nominal price, and it might be inserted in the contract of sale that in the event of a certain profit being realised on much more money should be paid to the old shareholders. It would be easy to invite existing shareholders to take shares. Of course the company must be small in the first instance.

The CHAIRMAN: We have preserved the company's machinery intact, we have avoided getting into such a position that anyone has the power to wind us up. If there is anything in the mine it is a great pity that the shareholders should not get it.

Mr. T. G. TAYLOR erepeated that he should be glad to see a new company. Mr. Applegarth was a recent addition to the board, and, therefore, was not responsible so has the above to what had been done in past times, and he trusted that Mr. Applegarth would see his way to undertaking the duty of resued that fire was not yet arrived the throwing good money after bad. There was only a small sum at the provider of the property of the property of the property of the machinery and property, and divide whatever there might be amongst the machinery and property, and divide whatever there might be amongst the machinery and property, and divide whatever there might be amongst the shareholders. He would ask whether Mr. Bateman could be sued in this country? The CHAIRMAN asid that if Mr. Bateman cance to take no steps in the matter, as the remedy would probably be worse th

Mr. Applegarth went on the same to spread to get along with Mr. Longmaid. Mr. Applegarth went on to say that the pleased, and did not exceed the mining of the sonogen with a more to the mining of this property and the working of it. He is the man to blame. Mr. Applegarth went on to say that Mr. Bateman had allowed the mine to go by default, and consequently the management was thrown upon Mr. Applegarth went on to say that Mr. Bateman had allowed the mine to go by default, and consequently the management was thrown upon Mr. Applegarth went on to say that Mr. Bateman had allowed the mine to go by default, and consequently the management was thrown upon Mr. Applegarth went on to say that Mr. Bateman had allowed the mine to go by default, and consequently the management was thrown upon Mr. Applegarth went on the salary of Mr. Data and the management was thrown upon Mr. Applegarth went on the salary of Mr. Data and the management was thrown upon Mr. Applegarth went on the salary of Mr. Data and the salary of Mr. Data and accepted the position, but had never fulfilled it. He (Mr. Applegarth and accepted the position, but had never fulfilled it. He (Mr. Applegarth went on the salary of Mr. Longmaid was perfectly about for a country like that, and if a man accepted the position, but had never fulfilled it. He (Mr. Applegarth went on the salary of Mr. Longmaid was perfectly about for a country like that, and if a man accepted the position, but had never fulfilled it. He (Mr. Applegarth went on the salary of Mr. Longmaid was perfectly about for a country like that, and if a man be the country like that, and if a man accepted the position, but had never fulfilled it. He (Mr. Applegarth went on the mining of this property and the working of it. He was a should ectainly advise them to windout the management was thrown upon Mr. Applegarth went on the salary of Mr. Longmaid was perfectly about for a country like that, and if a management.

The CHAIRMAN said the thought necessary. Unless they could find a management was thrown

and the same properties and the same properties of the same properties and the

indications leave no doubt whatever that the many veins possessed will gradually increase in richness in depth. It is intended to carry on the whole of the works in a miner-like manner—that is at least, well maintained if not augmented. (Hear, hear.) be, at least, well maintained it not augmented. (Hear, near.) I will repeat that it is our purpose to work this magnificent property so as to secure the most permanent advantage to the shareholders, and not to take away the riches until it can be done at the greatest possible profit. (Hear, hear.) The lead is found in a very pure form, costing only a few shillings per ton to dress; and, when dressed, the best is made of the produce by the efficient smelting works on the company's property. As to returns our gents have dressed, the best is made of the produce by the efficient smelting works on the company's property. As to returns, our agents have stated quite enough—those who have just accompanied me underground and inspected only a few of the many points, have seen sufficient to satisfy even the merest tyro in mining that we possess a very valuable property; and I am sure Mr. Hutchinson, the vendor, will rejoice in our success quite as much as we do ourselves, for it must be a source of gratification to any gentleman selling a property to find the purchasers have such solid reasons to be pleased with their bargain. (Hear, hear.) As to the past history of the mine I need say nothing; what interests us far more is the future; what interests us far more than what had been taken away is what has been left. We believe in the future—we have the best reason for doing so; we believe we shall have much greater returns and more cheaply than hitherto, leaving a larger margin of profit. We are in a strong position as far as finance is concerned, inasmuch as we have 1000 shares unissued. Supposing in the future it should be necessary those shares will be offered pro rata to the shareholders, and will, no doubt, command a very substantial premium, but the present working capital, irrespectively of any returns whatever, is ample for all purposes for at least the next 12 months, and to present working capital, irrespectively of any returns whatever, is ample for all purposes for at least the next 12 months, and to carry out the different exploratory and other work either in actual progress or contemplated. It is worthy of remark that this company has only 3000 issued shares (1000 being held in reserve), while the other large-producing mines held by companies, such as Van, is divided into 15,000 shares, and Roman Gravels and Tankerville into 12,000. Pateley Bridge Mines are in the very modest number of 3000—the enterprise has been formed and will be conducted in a fair commercial spirit, and those who do not sell their shares will, I am persuaded, reap much larger profits than those who from necessity commercial spirit, and those who do not sell their shares will, I am persuaded, reap much larger profits than those who from necessity or other causes may dispose of their interest upon any advance in market value. All I have now to say is the directors place their resignation in your hands, and if you should elect to replace us in our position you may rest perfectly satisfied that no effort shall be spared to promote in every way the permanent prosperity of your really valuable mines. (Hear, hear.)

Mr. F. G. Lans said he was perfectly satisfied with the property, and equally so with the legitimate manner in which it was being worked. He firmly believed it would prove a most profitable enterprise. It had been founded upon a most legitimate basis, and there could be no doubt that those who had recurred an interest would never have reason to regret it. The directors now retiring had, he knew, conducted every detail with a due regard to economy, and certainly there was every prospect of a substantial success. He had much pleasure in proposing that Messrs. Hanley, Hutchinson, George Batters, John Carr, and Albert Kitching, the retiring directors, be re-elected.

Mr. Alexs Hankex seconded the proposition, which was put and carried nandmously.

The Chalman, having appropriately acknowledged the vote, stated that he had

Mr. Alexs Hanker seconded the proposition, which was put and carried namimously.

The Chairman, having appropriately acknowledged the vote, stated that he had had great experience in lead mining, extending over the greater part of his life, and he must confess that he had never been connected with any enterprise that had given him such satisfaction, or at such an early stage of its existence had—at least to his mind—so pointedly indicated a successful and prosperous future.

The following report was then submitted:—

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The part of this life, and worth a following report that we report that present about 24.

The part of this vein that we are carrying is 6ft. wide, will from 10 in. to 13 in. wide of nearly pute metal, worth from 35. to 40. per fathorn. In the cond is of a congenial nature for producing lead ore, and I hope to cut the first vein next month. The south west cross-cut also in the 30 to ent Fielding, sir Thomas, and other vein is 5 ft. wide, yielding little ore ground, fair for producing lead ore, an

out the mine working efficiently, and the dressing of ore is being proceeded with regularly.

Mr. F. W. Mansell said as the firm which he represented had upon the best obtainable evidence introduced this property to the favourable notice of their clients, he had taken the opportunity of inspecting it for his own personal satisfaction, and it afforded him considerable gratification to be able to state from what he himself had just seen underground, which was as nothing when contrasted with the exceedingly numerous points in operation that would fully occupy at least two days to examine, such was the magnitude of the workings, but he had seen sufficient to warrant him in saying that upon a little further judicious development the Pateley Bridge Mines would soon rank foremost among our most profitable lead mines at present before the public.

A BHAREHOLDER asked if there was any doubt about the Perseverance level draining the western ground? ——Mr. HUTCHINSON said there could be no reason to doubt but that the Perseverance level would drain the western mine in a similar way to what had taken place in the eastern ground. Some of the veins had been tested for a short distance below the horse level, and were very productive. A great many of the veins had been worked to some extent above the horse level. Before the Perseverance level had been driven 80 fms. he had no doubt the whole of the western ground would be unwatered, and some of the productive veins intersected; that would be about 60 fms. below the horse level, opening out a new mine altogether that would take 50 years to exhaust.

the western ground would be unwatered, and some of the productive veins intersected; that would be about 60 fms. below the horse level, opening out a new mine altogether that would take 50 years to exhaust.

Mr. F. W. MANELL said it appeared to him that one important point at present in progress was the sinking of the sump, as the tode had gone down in the bottom worth 50!, per fathom, and enquired how long it would take to sink to the intended depth of 20 fms. deeper and put out the cross-cut to the vein?

Mr. F. W. MANSELL said he had broken some very fine stones of solid lead from the Pringap vein, and asked what value had been put upon it?

Mr. BLENKIRON said that no value had been put upon it.

The CHAIRMAN asked Mr. Blenkiron if he were satisfied with the progress the several workings were making, and with the discoveries made?

Mr. BLENKIRON was more than satisfied, as every point had proved a great deal better than he had expected, and, from present appearances, the mine generally would soon look considerably better than now.

Mr. MANSELL asked if Mr. Blenkiron had expected the course of ore just discovered in the 20 fm. level west?—Mr. BLENKIRON replied in the negative; the ore had been intersected long before it was expected. It was evident the ore in the Pringap vein had been left in the sole of the level, but that it had been followed to some extent upwards.

Oapt. WILLIAMS, in reply to a question, stated that there was at least a mile

ome extent upwards.

Capt. Williams, in reply to a question, stated that there was at least a milipon the course of the Pringap vein within the company's boundary. He regarded this accidental discovery as of great importance. Mr. Blenkiron mentioned that hey had reached ore in the 20 fm. level west some considerable distance before it.

hey had reached ore in the 20 lin. Ever west some considerable distance better in add been anticipated.

Mr. Manskil asked if from the present appearances of the discovery in the 20 west there was any reason to doubt its continuance. As far as he was able to judge, t promised to be a continuous course of ore.—Capt. Williams said he had no loubt whatever on that point, and his opinion was confirmed by the fact that a winze had gone down rich, and left rich some 7 fathoms in advance of the present ind, proving that there was at least that distance of ore ground ahead of them.

Mr. Hurchinson said that at the time that winze had been sunk great difficulty was encountered from the water, but that difficulty had now been entirely and permanently removed.

Mr. Mansell suggested that as the sett was of such magnitude whether it would not be desirable to divide it into two companies.

The Challemax said that the company held ground enough for two or three com-

Mr. MANSELL suggested that as the sett was of such magnitude whether it would not be desirable to divide it into two companies.

The CHAIRMAN said that the company held ground enough for two or three companies, but at any rate for the present he should like to see the property kept intact, especially as the company had ample capital for all requirements. While upon this point, he might mention what he had omitted to state previously, that Mr. Hutchinson had secured the Duke's ground, which extended for some miles beyond the company's present lease, and although he (the Chairman) had certainly no authority to state that Mr. Hutchinson would make that over to the present company, he had no doubt that in some sudden impulse of generosity he would do so. Mr. HUTCHINSON remarked he could not exactly promise that, but that ground certainly ought to be worked by this company, because two levels had been driven in most productive ground. No doubt there was a very great deal of valuable ground that had not been worked by any horse level, but simply from the surface. The CHAIRMAN said that the company were greatly indebted to Mr. Hutchinson in many ways, and too much could not be said in his favour.

Mr. A. KITCHING had much pleasure in proposing that the best thanks of the shareholders be given to Mr. Blenkiron and Capt. Williams for the able manner in which they had so far opened out the mine and carried out the duties with which they had been entrusted.

Mr. MANSELL begged most heartly to second that proposition, and to tender them his personal thanks for the information they had afforded him while underground. The resolution was put and carried unanimously.

Mr. BLENKIRON having thanked the meeting for the vote, stated that they would continue to do their utmot. They had complete confidence in the mine, and it had already more than realised their expectations, and they hoped shortly to bring it into a still more prosperous state. (Hear, hear.)

Mr. J. Carn proposed a vote of thanks to Mr. Hutchinson, and also to Mr.

for the vote just recorded. It was his pleasure to look after the shareholders' interest, and no less his duty; their interest was his, and all he could say was he believed the mines would prove very successful. He would not say one word more than he actually thought for ten thousand times more than the company had paid him. He fully believed the mines would prove a great success. (Hear, hear.) Mr. KITCHING proposed that the best thanks of the shareholders be accorded to the Chairman for the full and satisfactory statement he had made as to the position and prospects of their mine.

the Chairman for the full and satisfactory statement he had made as to the position and prospects of their mine.

The proposition was seconded, and carried unanimously.

The CHAIRMAN thanked the shareholders for the great honour they had done him; it had been a work of great pleasure to him to be present to-day, and to be associated with Mr. Hutchinson and his mines. There could be no doubt they would soon met under much more favourable anspices, rejoicing in the receipt of large dividends. He had had the pleasure of giving his friends, perhaps, a larger amount in dividends from metallic mining—both iron and lead—than almost any other man, and he thought this little Yorkshire company would quickly prove that it possessed a property of which none need be ashamed, as the time might not be far distant when such results would be realised as to make the Pateley Bridge Lead Mines the most remunerative.

Lead Mines the most remunerative.

The meeting then separated.

During a conversation which took place subsequent to the meeting, it was mentioned by the executive that should the mines continue to open up throughout the year as had been the case during the first three months, it may reasonably be expected that, at a cost of 600l. to 700l. per month, 100 tons of pig-lead can be returned monthly, of the gross value of 2200l., equal to an annual profit of 18,000l.

WHITEHAVEN IRON MINES COMPANY.

The annual general meeting of shareholders was held on Friday, at the offices, Lime-street—The Earl of DEVON (Chairman) presiding. The annual general meeting of shareholders was held on Friday, at the offices, Lime-street—The Earl of Devon (Chairman) presiding. The report stated that since the opening of the Ravenglass and Eskdale Railway, on May 24, increased deliveries of ore had been made. The sales effected in the half-year had been less than formerly, owing to the fact that in anticipation of the early opening of the railway it became undesirable to cart more than sufficient for completing existing contracts. The average price realised for the ore delivered was 17z. 3d. per ton. The reserves were stated by the manager to have increased during the half-year. About 2000, was due to the Ravenglass and Eskdale Railway Company on account of shares, and it was proposed to apply a further 5000t. to the purposes of the railway. This was necessary for the proper equipment of the line. The CHAIRMAN, in moving the adoption of the report and accounts, said the depressed state of the iron market had presented very considerable difficulties to the directors, who had done all they could to reduce the cost of production and the rate of transmission of ores to those persons from whom they had received orders. The railway would prove greatly to the advantage of the company. They regarded the production of the mines as satisfactory, and the reserves had considerably increased as compared with the preceding half-year. They ventured to think the property of the company rested on a sound basis.

Ool. E. BROOSHOOFT and Mr. T. B. Forwoop criticised the report and accounts. Mr. COPLAND (a director) said it was the unanimous custom to regard as reserves what had been proved to be in mines. They had never yet had the opportunity of paying a dividend, owing to the difficulty of carting the ore to the Furness Railway. He then proceeded to show that at the present tow price of ore, and with the Ravenglass and Eskdale Railway brought up to the mines, they realised a profit of \$8.6d. per ton.——Dr. Træwiellal directors of the company, and he Ravenglass and Eskdale Ra

WESTERN ANDES MINING COMPANY.

An extraordinary general meeting of shareholders was held, on Thursday, at the offices of the company, King-street, Cheapside.

Thursday, at the offices of the company, King-street, Cheapside. The CHAIRMAN of the board of directors presided.

Mr. THOMAS JERVIS (the secretary) read the notice convening the meeting, and the minutes of the last meeting, which were duly confirmed. The report of the directors was also read.

The CHAIRMAN said: Gentlemen, the directors are very happy to see you again at this the second annual meeting of the company. They are happy because the accounts they have to lay before you show the continued prosperity of the mine. The figures for the year, as you have heard, show you that the profits are sufficient, with the amount brought forward from last year, to allow of the payment of a 20 per cent. dividend. The directors recommend this distribution, and later you will be asked to confirm it. The directors, of course, do not expect in any cross-cut, or in any other place, ment of a 20 per cent. dividend. The directors recommend this distribution, and later you will be asked to confirm it. The directors, of course, do not expect in any cross-cut, or in any other place, to find nuggets of gold or silver, or in any sly corner diamonds or rubies; but at the same time they feel convinced that in the mine there is sufficient metal to insure to this company dividends equal to the present dividends—at all events, they feel confident that it will produce very good dividends. Under these circumstances we have very little to say to you beyond what you have in the accounts. The only information I can give you is with reference to the profits of the first month of 1875 76, which amount to 1600. That shows, I am happy to say, the centinued presperity of the mine. Then, gentlemen, the directors feel that this mine ought to be conducted most frugally, and that every expense that possibly could be put to current accounts should be so debited. Hence they feel—and they believe you will share that feeling—that the dividends paid to you have been honestly earned, and that they can have pleasure in recommending them to your adoption. (Hear, hear.) There is one item to which I would particularly allude, and that is an item in the balance sheet of 1873-74 of 4964, 16s. for new works. On reference to the accounts for 1874 75, yeu will find that the item is reduced to 1764. The directors feeling that the cost of all new works should be absolutely charged to current expenses, they have in 1874 75s oo charged them, and thus they had required to current expenses to 1764. Therefore the accounts, as I have said before, convey an absolutely standed to the term standing in the preceding accounts at 4964, out of the current expenses to 1764. Therefore the accounts, as I have said before, convey an absolutely standed being rather more last year than this is to be accounted for by the capital not being all paid up in the former period. This year it is all paid up, and therefore the dividend is upon the full amount

servort.

ROBINSON: You say, Sir, that there are prospects of good dividends; you to say for what period.—The CHAIRMAN answered that mines were always lative things. All that the directors could say was that they had every reasolieve that the dividends would be continued. They could not see into the is of the earth, but they could see a strong probability of the continuance of

hose dividends.

A SHARHOLDER: What are you going to do with the preliminary expenses?

The CHAIRMAN: We are going to write them off against the reserve fund. We ecommend that the sum of 400%, be added to the reserve fund, but at the same ime we recommend that the reserve fund be debited with the preliminary excenses. We are anxious that only the dry cost of the property should appear

Denses. We are auxious that only the dry cost of the property should appear against the company.

Another SHAREHOLDER: Is there any sum in the directors' minds which they have fixed as the limit to the reserve fund?—The CHAIRMAN: No; it is entirely in the hands of the shareholders. But I may say that considering the great distance at which one property is situated, and the many contingencies there are, we do not think we have yet arrived at the sum that should form the reserve fund. Mr. BROOKES had great pleasure in seconding the resolution, and in doing so pointed out that with the amount set aside as a reserve fund the net profits of the company during the two years of its existence equalled 53 per cent. of its capital. The motion for the adoption of the report was then put and carried unanimously. Mr. PRYCE had much pleasure in moving a vote of thanks to the Chairman and directors for their able and successful management of the company's affairs, and for the clear and explicit manner in which the position and prospects of the mine had been set forth in the report and accounts. (Hear, hear.)

The resolution, on being seconded, was duly carried.

The CHAIRMAN having briefly acknowledged the compliment on behalf of himsalf and collegues. the proceedings terminated.

WHEAL PEEVOR MINING COMPANY.

CURIOUS PROCEEDINGS.

The special meeting for electing a resident agent in the room of Capt. W. Pryor, who had signified his intention to resign, was held on the mine, on Monday.—Mr. T. PRYOR in the chair.

on the mine, on Monday.—Mr. T. PRYOR in the chair.

The CHAIRMAN, referring to his circular of Sept. 9, said: I stated that there had been a difference of opinion between Captain James and the resident agent, in consequence of the former having stated that it was his intention to suspend operations in the mine. This was the bone of contention, but Captain James has denied having made the statement in a manner which, in my opinion, is neither courteous nor gentlemanly. I am not sure that he has not committed a gross libel upon me in the remarks that he has made, but that is a matter which will be gone into at the proper time. You will recollect that at the last meeting, in July, Capt. James stated that there was not a weak point in this mine, and yet after this there was a correspondence between him and Mr. Ward relative to the stopping of the mine, although not the slightest reference was made to it at the meeting a few days previously. Things had gone so far that when I met Capt. James on the mine, on July 29, I told him that the mine should not stop unless it was sanctioned by a special meeting of the advenuers. On that day Capt. James had been underground and instructed the nen to get up their stuff before pay-day, as he should on that day the down the engless for twelve months. Now, this is strong language for an agent of the company to ase, and I must uphold my father in not supporting such an illegal and inequitable act towards the general body of shareholders. This might sait the

manager, who sold out nearly the whole of his shares at high prices, and shaws and ricest that the mine should be stopped in this manner, in the face of a first of the state the mine should be stopped in this manner, in the face of a first of the state of the state

who heard the manager say the mine was to be stopped, and then leave the meeing to decide who was in the right. He was determined not to remain undersand a stigma.

Mr. Tweedy maintained that the examination of the men was material, in order that Mr. Pryor might successfully refute the accusation which Captain James had made against him and refused to withdraw.

The CHAIRMAN insisted upon calling the men, and accordingly Richard Wills, Joseph Richards, John Gill, and William Henry Hicks were each examined in turn. They stoully asserted that Captain James told them, without any questioning on their part, that they were to get their work up as quickly as possible as the waste would be in in a fortnight, because he was going to tie the engine down for tweir months to wait for a better price for tin.

Captain JAMES: I positively deny that I ever made such statement, and I sy, moreover, that every man who has given evidence has told nothing but a falsehoof from beginning to end. ("Oh, oh!" and interruption.)

Mr. Tweedy asked Captain James whether he would now withdraw his charge against Mr Pryor?

Captain JAMES said he was willing to admit that upon the evidence of the many with Mr. Ward, which showed that he (Capt, James) never contemplated doing the mine. Therefore the purser was not justified in sending out such a circular which he did, but Mr. Pryor was also aware of the correspondence that he had had with Mr. Ward, which showed that he (Capt, James) never contemplated doing the mine. Therefore the purser was not justified in sending out such a circular which he such care and the statement of Capt. James have said.

Mr. Thomas carnestly appealed to Capt. James to withdraw the statement that Mr. Pryor's object was to mislead and deceive the shareholders.

Capt. JAMES: I decline to withdraw anything that I have said.

Mr. Thomas carnestly appealed to Capt. James to study as a constitution of the shareholders.

Capt. JAMES is declined to withdraw anything that I have said.

Mr. Thomas carnestly appealed to Capt. J

Capt. James being deaf to all appeals to retract, the Chairman ultimately putter resolution, and declared it carried by 15 to 1, Capt. James alone dissenting. It was then explained that the resolution could not be entered on the cost-book, sof eventually it was resolved on the suggestion of Mr. West that it should take the form of an unanimous expression of opinion on the part of the meeting that Mr. Pryor never intended in any way to mislead or decelve that it should take the The ORAIRMAN said he was quite satisfied with that.

The next business was to elect a resident agent. Capt. W. Pryor definitely resigned his position, was thanked for his past services, and voted a month's slary. The question of electing his successor led to some discussion. The ORAIRMAN said he should not object to the election of the best man even if mominated by Capt. James, but he was d-termined to oppose in every way the appointment of Capt. James, the contract of th

protest against it.

The meeting, which lasted three hours, was then adjourned for a confirmation or otherwise until October 6.—Condensed from Western Daily Mercary.

ORIGINAL HARTLEPOOL COLLIERES COMPANY.—At an extraordinary general meeting of shaseholders, held at the offices of the company, a get, if the following resolution was unanimously passed:—"That the board of directors be and are hereby authorised to raise (in addition to the sum of 100,000; which they have power to raise under clause 9 of the Articles of Association) the sum of 50,000. upon the property and assets of the company, upon such terms and conditions as to both the said sums as the board may think de irable."

LANESTOSA.—The o.dinary general meeting will be hid on Tuersday gest, when the report to be presented will show that the mining works have been one what interfered with during the part 12 months; y the civil war in Spain, yet the accounts show a result which is much more favourable than has tean obtained.

o 2434/. ir CAPENC WEST I dividend for the rate of company.

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— Sept. 15 two have just of ing aurifers works, and will in all paging Diru RICHMC Hall, Lond mine very range is showing the fact in stall, the shaft range was to cut this contains the strata. this point.
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CAPE-COPPER.—At a meeting of the directors, on Wednesday, it was resolved to dedare a dividend of 20s. per share, free of income tax.

WEST PRUSSIAN.—The directors of this company have declared an interim direction for the four months during which the company has been in existence at the rate of 8 per cent. per annum, upon both the Preference and A shares of the meanly.

cipse OPPER.—At a meeting of the directors, on weenesday, it was resolved mediate and indeed of Job, per estate, free of income tax, we declared an intering was per per state. The directors have received from Morro Vello the following the four more and an intering the per control of the mine of per cent. Per annum, upon both the Preference and A shares of the mine of per cent. Per annum, upon both the Preference and A shares of the mine of per cent. Per annum, upon both the Preference and A shares of the mine of per cent. Per annum, upon both the Preference and A shares of the mine of per cent. Per

san, gosan, and spots of yellow copper intermixed—a kindly lode, and promising an improvement.

ENSBERG.—C. Craze, Sept. 20: Victoria Shaft: This shaft has been sunk 3 ft. BENBERG.—C. This I consider good sinking, the ground being still very jointy sad wet. The lode here maintains its promising appearance, and is producing 1½ too of lead ore per fathom. The shaftmen are now engaged fixing winze brace, hanging tackle, and assisting pitmanty of ax skip-road in this shaft. I hope to have these completed by to-morrow, when the men will resume sinking, and we shall be able to draw our stuff faster than hitherto with the small kibble. The 14, west of this shaft, presents a kindly appearance, with good stones of lead in the lode, bat not enough to value. The stope in the back of this level is yielding its usual quantity of ore, 2 tons to the fathom. The 14, east of this shaft, is producing good ore for dressing. The lode here looks rather better than we expected at this point, the bunch of ore which we had in the shallow level west of new shaft being some for 10 fathoms to the east. It looks now as if that bunch is extending further west indepth, and we may reasonably expect a continuation of ore ground as we drive east. There is no change in the stope of carbonate since my last. The men are engaged removing overburden for another stope.

REPORT ON THE MINES OF THE CAMP FLOYD SILVER MINING COMPANY (LIMITED).

REPORT ON THE MINES OF THE CAMP FLOYD SILVER MINING COMPANY (LIMITED).

The property of this company comprises the Sparrow Hawk, Last Chance, Geyser, Marion, London Mines, and a 20-stamp mill. The following is my opinion in regard to this property.

1.—The above mentioned property was terribly handled by the late management, previous to Henry Sewell, which appears plainly to everyone at first sight. There are unserous cuts, drifts, inclines, and shafts run irrespective of any system what wer, and in every respect ruinous to these mines. The ore should have been taken out in the following manner: A drift run along the deposit of ore to the end; from here should have been sunk an incline to a certain depth, say 200 ft., taking the ore cut backwards, and only 6 ft. wide at the time; these 6 ft. to be immediately filled my with waste so as to support the roof. Instead of this the ore has been taken out, or rather gouged in the most irregular manner at a great waste, and all the workings left open without any support whatever, which must put these mines (over an area of 200 ft. in length, 200 ft. in width, and 100 ft. in depth) under Immess pressure and consequent danger. Under the existing circumstances the best thing to be done is to fill up the cuts and open chambers, and to do this there is plenty of waste at hand on the dumps; then the ore, of which there is still some quantity in sight, can be taken out easily and profitably.—3. The perpendicular is plenty of waste at hand on the dumps; then the orn, of which there is still some quantity in sight, can be taken out easily and profitably.—5. The perpendicular which was the property would be considerably better, and would have cost a mint of money less.—6. If no easily and profitably in the property would be composed antimony to be seen plainly on the surface, this people yound look considerably better, and would have cost a mint of money less.—6. The idea of the best of the best in instead of which, they left the vein at least was good if they had kept upon the

\$2 per ton, provided the pan to work these is erected. I found samples in small fissures in the bottom of incline No. 4, which assay \$15,000 to the ton, proving that a bonanza can be expected as soon as the ledge is cut into, which as been left 50 ft. beneath, as I said before.

The best places to open for ore and for developing the ore body are Sewell's in cline following the sam; Sewell's tunnel and cut No. 5. Besides these are 2000 ft. of virgin croppings. The following are improvements which I suggest should be made:—

The motive power has sufficient capacity to lift double the load that is now required when all the stamps and other machinery are attached. A place on the main floor and on a line with the battery, has been left to add other ten stamps; there is also an abundance of room in the main building and on the line of the panfloor, to add four more pans and two more settlers, by removing the retorting and smelting furnaces to a shed outside of the main building (where such work should always be carried on more effectually to guard against fire). I would, therefore, recommend:

smelting furnaces to a shed outside of the main building (where such work should always be carried on more effectually to guard against fire). I would, therefore, recommend:

First.—That ten more stamps, four pans, and two settlers be added; my reason for this is that, for example, if one can reduce 20 tons per day with 20 stamps at a cost of \$15 per ton, with 30 stamps, 30 tons per day at a cost \$10 per ton can be treated, as it is a well known fact that it requires no more men to run 30 stamps than it does to run 20, besides with such a surplus of power on hand, a very small amount of extra fuel will be required.

Second.—As there about \$45,000 worth of tailings on hand, 78 to 80 per cent. of which can certainly be extracted with no other cost than hauling from the reservoir into the mill, that a tailing pan be erected for the purpose of working up these tailings; it can be set up in a line with the settler shaft, and with very little expense. No extra labour will be required to work this machine; it can be run at the same time and independent of the other machinery. I would also suggest to remove the present elevating apparatus, and reconstruct it differently, in order that it may discharge into a receiving hopper, and thereby dispense with the labour of two men in 24 hours.

Third.—I should recommend the Aiken furnace (so called) to be removed and a Siteleiclit to be erected in its stead, as the decision of the Supreme Court in the State of Nevada is that it is an infringement on the Stetefeld tatent in every essential particular, and forbids the further use of the Aiken concern. Aside from this decision, I recommend the discontinuance of its use, as it is a well-known fact to all mining men hereabouts that the Camp Floyd mill has produced a higher percentage on the same ore (Sunnyside) by running raw than was done by the Pioneer mill by roasting with the Aiken.

Fourth.—That two or three levels be run on the line of water belt to cut through the belt of clay, and double the present supply of water, connect

THE MINERAL RESOURCES OF VICTORIA.

THE MINERAL RESOURCES OF VICTORIA.

The Mineral Statistics for 1874, just issued by the Department of Mines, are very gratifying to all who feel interested in the prosperity of the colony; for, although the gross yield of gold, as measured by the exports and the gold minted, is less than that of 1873, the average per man per annum is greater than it has been for many years past. Quartz veins giving more than 3 ozs, per ton have been found at depths exceeding 800 ft., and more than 190 ft. below the level of the sea; and there is no doubt that when the numerous auriferous veins are more extensively developed the colony will find in these lasting stores of wealth. The several data were obtained from diverse sources, and the characters of the gentlemen from whom the department receives information is a sufficient guarantee that no unavoidable mistakes can have been made, and there is no available check that has not been used in order to make the tables accurate and complete. The estimates of gold raised during the year showed that there was exported, according to returns furnished by the Commissioners of Trade and Customs, 994,154 ozs. There was received at the Melbourne branch of the Royal Mint 251,818 ozs.; raised according to estimates made by the mining registrars, 1,097,644 ozs.; and purchased, from returns made by managers of banks and others, 1,105,115 ozs. It appears that 997,099 tons of quartz yielded at the rate of 11 dwts. 20½ grs. per ton; 69,439 tons of quartz tailings, mullock, &c., yielded 2 dwts. per ton; and 6725\footnote{c} tons of pyrites, blanketings, &c., vielded 2 oz. 16 dwts. 8 grs. per ton. As compared with 1873 there is a small decrease in the quantities of vein-quartz put through the mills, but the gross quantity of gold obtained from vein-quartz in 1874 was 6006\footnote{c} oz. ne xcess of that got in 1873.

The decrease was from 6799 to 1028; in the withdrawal of such large bodies of men from an occupation that, on the whole, gives good returns for the labour bestowed on it is the cause

AMERICAN TIN AND TERNE PLATES.

AMERICAN TIN AND TERNE PLATES.

Until a very recent date no tin or terne plates have been made in this country. It will, therefore, be of interest to our readers to know something of the processes by which they are manufactured. The main portion of the so-called tin-plate is a thin sheet of wroughtiron which forms the body of the plate, or foundation on which the tin is put. Although it takes a considerable degree of skill to cost a plate perfectly, yet the principal part of the art of tin-plate making is in the preparation of the iron. There has been in past time an opinion prevailing that tin-plates could not be made from American iron, and, as a consequence, the iron had to stand all the blame for the non-introduction of the manufacture long ago. That this assumption is a false one is abundantly proved by the fact that in the United States Iron and Tin-Plate Company, at McKeesport, Pa., block tin is the only foreign material used, and in the two other establishments which are making tin-plates American iron is exclusively used. In the construction of a tin-plate mill the main features are essentially the same as those of a sheet iron mill, but all the work must be done with very close calculation, greatest exactness, and with the careful attention of all workmen, since the size and weight must be determined before in the bar iron. After the iron is rolled into sheets and cut to size, it is put into a bath of dilute sulphuric acid, or pickled, to cleanse it from adhering scale. the iron is rolled into sheets and cut to size, it is put into a bath of dilute sulphuric acid, or pickled, to cleanse it from adhering scale. After this process it is packed in air-tight cast iron boxes, and heated in a furnace, with a slow red heat, in order to anneal it. After it is softened by the annealing it is cold rolled, annealed, and again cold rolled, and then polished, after which it goes through another acid bath, called "white pickling," and is then ready for the tinning room or wash-house. In this a row of cast iron boxes, or pots, is built up into a hearth, each one of which, however, is fired separately. The first pot into which the plates are dipped is filled with melted tallow. After the plates are well covered with grease they are taken to the tin pot, which is filled with melted tin covered by a layer of grease. In this pot the plates receive the first coat of tin. From this pot the plates are taken to the wash pot which is filled with a better class of tin, and receive their regular tin surface.

The plates are then taken out, and brushed off on both sides with a greasy hemp brush, they then go to the last grease pot. The bath in

this pot is composed of palm oil and tallow. Beneath the surface of the grease in this pot there is a set of three, or sometimes five, horizontal rolls. The first and second roll draw the plates down into the pot. When they clear the rolls below an automatic cradle on the bottom pushes them up, so that the second and third rolls bring the plates out again. These rolls take off the surperfluous tin, and give the plate a beautiful polished surface. The tin which drops off from the plates settles in the bottom, and is once a day returned to the tin pot by a hot metal pump. From this grease pot the plates go to a rack, on which they are cooled, after which they are rubbed off in middlings, or bran, in order to remove the adhering grease. A final rubbing with a soft sheepskin finishes the plates, which are then ready for the assorter, who picks out those which are defective, called wasters, and assorts them according to their different weights. The plates are then packed in boxes, and are ready for shipment.

There are only three manufactories of tin-plates in the United States. One of these—the Iron-Clad Can Company, of this city—makes only extra sizes; the other two, however, make the regular sizes, and come into competition with foreign plates. These are the United States Iron and Tin-Plate Company, above mentioned, and Rogers and Burchfield, of Leechburg, Pa. Both of these firms have proved that tin-plates can be manufactured in America of as good quality as any coming from abroad. And it is with no small amount of gratification that we note this step in the manufacturing progress of the country.

The United States Iron and Tin Plate Company have recently doubled the capacity of their works, in order to meet the demand for the American plates. This is a hopeful sign in the present dull times, and speaks well for the management of the concern. The "U.S." brand of terne plates produced here have made quite a reputation for themselves, and are giving great satisfaction. The company are making a large quantity of fi

Begistration of New Companies.

The following joint-stock companies have been duly registered:-The following joint-stock companies have been duly registered:—
PENRHYNDENDRAETH LEAD MINING COMPANY (Limited).—Capita 1
20,000/., in 5/. shares. To acquire land in the parish of Lianfrothen, county of
Merioneth, for lead mining purposes, according to the terms of an agreement made
between William Crippin Daniel Clarke, W. Casson, J. H. Young, H. Patteson, and
R. H. Coddrington of the one part, and James Patteson, of Albert road, Southport,
of the other part. The subscribers (who take one share each) are—D. Clarke, 6,
Canning-street, Liverpool, merchant; J. H. Young, Lower Broughton, Manchester,
gentleman; W. Casson, Betchton House, Sandbach; W. Crippin, Old Trafford,
merchant; H. Patteson, Victoria Park, Manchester, esquire: J. Patteson, Albert
road, Southport, marble merchant; R. H. Coddrington, 57, Edge-lane, Liverpool,
cotton broker.

road, Southport, marble merchant; R. H. Coddrington, 57, Edge-lane, Liverpool, cotton broker.

INTERNATIONAL EXCHANGE BANK (Limited).—Capital 250,000/., in 20/. shares. To carry on a banking and financial business. The subscribers are—Charles Blunt, Spring Vale-terrace, Cheshire, 1; W. Hughes, 12, Magdalen-street, Liverpool, 1; Arnold de Beer, 5, York-terrace, Dale street, Liverpool, 1; Robb. Taylor, 106, Everton-road, Liverpool, 1; Robb. Taylor, 106, Everton-road, Liverpool; R. P. Dunne, Southill-road, Liverpool, 1; LONG-ENTAL D. CONTENTAL D. C

pool, 1; Arnold de Beer, 6, York-terrace, Dale street, Liverpool, 1; Robt. Taylor, 108, Everton-toad, Liverpool, 1; Robt. Taylor, 108, Everton-road, Liverpool, 2.
 LONGENDALE COTTON SPINNING COMPANY (Limited).—Capital 20,000., in 104. shares. To carry on a cotton spinning business at Hollingworth, Cheshire. The subscribers (who take one share each) are—J. Entwistle, 331, Blackburn-road, Bolton; R. Entwistle, Sharples, near Bolten; J. Gooden, Egerton; J. Hargarees, Hollingworth; S. Horrocks, Sharples; S. Stott, Bolton; R. Egerton.
 DAISYFIELD COTTON SPINNING AND MANUFACTURING COMPANY (Limited).—Capital 25,0004., in 54. shares. To carry on business as cotton spinners and manufacturers at Daisyfield, Blackburn. The subscribers are—John Bragg, 48, Adeladde-terrace, Blackburn, 69; Wm. Riley, Blackburn, 200; C. Mossop, Blackburn, 10; H. H. Beesley, Blackburn, 4; J. Charnley, Blackburn, 12; E. Rushton, Blackburn, 50; and Thomas Abbott. Blackburn, 50.
 JOHNSON BROTHER3 AND CO. (Dalton in-Furness).—Capital 10,000/., in 204, shares. To carry into effect an agreen at made between E. Parry of the one part, and W. R. Barcitt on behalf of the company, for the purchase of the business hitherto carried on by Messrs. Johnson Brothers, of Dalton-Instruct, and St. Petersburg. The subscribers (who take one share each) are—J. A. Buckland, 1 and 2, Tudor street, solicitor; G. Fowler, S. Westgage-street, New Cross, late major in the army; W. R. Barritt, 6, Osney oreacent, N.W., merchant; E. Kriens, Malpas-road, New Cross, Incetant; W. S. Bruce, 1, Provost-road, Haverstock Hill; J. Wilkinson, 45, Downham-road, merchants' clerk; T. Bullock, 11, Canonbury Park, N., traveller. Mr. E. Parry will be the managing director. JOHN C. ONIONS (Limited).—Capital 50,000. To acquire the business of the firm of John C. Onions, of Birmingham, sniths' bellows and forge manufacturer. The subscribers are —J. C. Onions, The Grange, Tysley, near Birmingham, 100; and J. Hinks, Leamington, 100.
 A

KILLIFRETH.—Since the meeting about 2 ft. in the lode have been opened at the bottom of the engine-shaft, and, so far as seen, it is worth fully 30!, per fathom for tin. An improvement has also taken place in the 20 fm. level west, where the lode is now worth 5ℓ. per fathom, and of a very promising character.

ST. JUST AMALGAMATED.—In this mine, now in the custody of the Stannaries, there has been for some time past a large and rich lode, which has lately increased so much in value as to be remarkably rich, and is estimated to be worth at the present low price of tin nearly 200ℓ. per fathom. Sixteen men and a boy have raised 4 tons of tin from it in a fortnight, less two cores in which they were hadered, though they have to hand the stuff 9 fms. through a winze, instead of sending it by tramway, as is usually the case.

TRUMPET CONSOLS.—At the usual sitting on Saturday, Mr. Henry Rogers, the purser, accompanied by Mr. Young, Mr.P., and Mr. I. Latimer, caused to be exhibited to the miners a very handsome large silver salver, which he had purchased with the moneys that had been presented to him by the minersof Trampet, and one or two of their "bals," as a testimonial of their gratitude and esteem. The men looked at the salver with much interest, and appeared to be pleased that the money had been so appropriated. Mr. Rogers expressed his regret that Trumpet had felt the effects of the low price of tin, and hoped that there were favourable had goes coming over the tin market. A little increase in the value, he said, would make a difference between profit and loss, and if the adventures benefited they would be able to give better pay to the men than when working at a loss they could afford to do. Mr. Young and Mr. Latimer also addressed a few words to the men, and expressed their gratification at seeing so cordial and kindly a feeling existing between the employers and the employed. The wages at present place i —

The following report was received too late for insertion in its proper place : -

The following report was received too late for insertion in its proper place:

GREAT LAXEY.—F. Redoliffe, Sept. 14: Deep Mine: There is nothing in the 235 at the engine-shaft calling for remark, except that the ground in both the ends is favourable for dispatch, and while it continues so will help us the sooner to reach those points where ore to value may be expected. At the same level, driving north from Welsh shaft, we expect to be in a good and continuous run of ore ground before driving very many fathoms. The 229 north is not yet through the slide, but is beginning to let down the water out of the north ground, as was the case with the level above on penetrating this slide. The lode in the 190 end is not all carried in driving, but, so far as seen, is a most promising lode, and has every characteristic for a good lode shortly. No. 1 stope, in the roof of the 190, end is not yet held to the 155 in Dumbell's, but we are expecting it to be every day; when this is done we shall be able to open up the roof of this level, which stand whole for a long distance.—Dumbell's: The 200 north has improved; present value 50!, per fathom: the same level south being still worth about 40!, per fur value 50!, per fathor; the same level south being still worth about 40!, per fur value 50!, per fathor; the same level south being still worth about 40! per fur value 50!, per fathor; the same level south being still worth about 40! per fur the 150 and north is holed to the winze gone down from the 170, and well ventitiating the two levels. There is nothing new to remark in any of the other ends. The stopes all well maintain their value. Machinery, dressing, &c., all going on as usual.

NICKEL AND COBALT REFINING, AND GERMAN SILVER WORKS, 16, OOZELL STREET NORTH, BIRMINGHAM.

STEPHEN BARKER begs to inform the Trade that he has the following articles for sale:

REFINED METALLIC NICKEL.

REFINED METALLIC BISMUTH.

OXIDE OF COBALT.

GERMAN SILVER—IN INGOTS, SHEET, WIRE, &c.

NICKEL AND COBALT ORES PURCHASED.

OLDENHILL COBALT, NICKEL, COLOUR, BORAX, AND CHEMICAL WORKS,
NEAR STOKE-UPON-TRENT, STAFFORDSHIRE
JOHN HENSHALL WILLIAMSON, MANUFACTURER AND REFINERS
Purchaser of Borate of Lime and Tincal.

Mining Correspondence.

BRITISH MINES.

BRITISH MINES.

BAMPFYLDE.—J. Juleff, H. T. Haley. Sept. 21: We beg to inform you that the stopes are looking quite as well as reported last week. The 112 west is worth 18t, per fathom, and the 102 end west is carrying a good leader of copper ore. A rise above the 102 is worth 6t, per fathom.

BEDFORD CONSOLS.—G. Rowe, J. Mitchell, Sept. 21: The lode in the winze sinking below the 57 is over 6 ft. wide, producing very strong mundic, with fine stones of ore, altogether of a most promising character, and likely to improve. The stoping ground upon the lode in the shallow levels is looking well, and yielding 4 to 5 tons of arsenical mundic per fathom, highly charged with tin. All other points are without change since last reported on.

BEDFORD UNITED.—William Phillips, Sept. 23: There is very little change to notice to day. The mine throughout continues to look equally as well as when reported on last week. The ores at present being brought to the dressing floors from the 115 fm. level are of very fine quality.

BOG.—W. T. Harris, J. Barkell, Sept. 21: Engine Shaft: We have commenced sinking the shaft below the 175 in tolerably favourably ground, and shall push it down with all possible dispatch. The men have not taken any contract yet, but will do so in the course of a day or two when properly underway. The 175 has been set to drive east on the south lode, by six men, at 4t. per fathom; lode worth 30t, per fathom for lead ore, and very promising for further improvement. The driving west on main lode, at this level, is in abeyance at present, but will be resumed as soon as the shaft is down a few feet to give lodge room for the stuff; the lode contains some good stones of lead, and the ground is very easy for progress. The 163 is set to drive west, on main lode, by two men, at 3t. per fathom. The lode in the end is presenting a better appearance than it has done for some time past, and Is now yielding about ½ too 16 lead per fathom, Good progress is now being made in clearing the debris out of the east end on the s

ing well. We sampled on Monday last 55 tons of lead, and shall sample next week about 20 tons of copper ore.

CARGOLL.—John Jennings, Sept. 22: There is no material change in the mine. The 11, east of Doctor's shaft, on the south part, is being urged on by eight men, for the express purpose of getting under the winze and ore ground gone down from the adit, east of Bowyer's shaft; in so doing we have drained the water from the adit level on this lode, and in a few fathoms more driving I hopeto drain theabove winze which is already sunk 4½ fms. in a promising lode, and is worth ½ ton of lead per fathom, when operations will commence at once in sinking the winze to the 11, where I am anticipating a good course of lead.

CATHEDRAL—Joseph Michell, Sept. 23: The lode in the engine shaft is very much improved, producing rich stones of grey copper ore and crystallised copper. I am thoroughly convinced, judging from the character of the lode generally and the country about the same, that before we sink many feet more we shall meet a course of ore of great value. All other bargains and tribute pitches are much the same as for some time past.

the country about the same, that before we sink many feet more we shall meet a course of ore of great value. All other bargains and tribute pitches are much the same as for some time past.

CRENVER AND WHEAL ABRAHAM UNITED.—Wm. Thomas, S. Arthur, Sept. 22: Sturt's Engine-Shaft: In the 228 west the lode is 3 ft. wide, yielding 1 ton of copper ore per fathom.—St. George's Shaft; In the 215, driving west, the lode is 2½ ft. wide, yielding 1 ton of copper ore per fathom. In the 215, driving east on the south lode, and west of shaft, the lode is 1½ ft. wide, producing a little copper ore, and having a kindly appearance. In the 220, driving east, the lode is 15 ft. wide, yielding a little copper ore, and having a kindly appearance. In the 220, driving east, the lode is 5 ft. wide, yielding 4 tons of copper ore per fathom.—Blewitt's Shaft: In the 234, driving west, the lode is 2 ft. wide, having a kindly appearance.—Richard's Shaft: In the 230, driving west, the lode is 6 feet wide, yielding copper ore to dress; this end has a better appearance. In the 210, driving west, the lode is 4 ft. wide, producing 1 ton of copper ore per fathom.—In the 200, driving west, the lode is at present disordered. In the winze sinking blow the 200 the lode is 4 ft. wide, producing 1 ton of copper ore per fathom. In the 200, driving west, the lode is at present disordered. In the winze sinking blow the 200 the lode is 4 ft. wide, producing the copper ore to dress. We sampled yesterday copper ore computed 478 tons.

CWM ELAN (NEW).—W. Goldsworthy, Sept. 18: The 30, west of shaft, is daily improving as we extend; its present value is 25 cwts. of lead and blende ores per fathom—61t. driving; set at 71., for the month. In the castern end of the same level the lode is divided into several branches; lead ore is making in going forward; the forebreast is letting out a large quantity of water, and, besides this, other good indications are combined; set to drive, at 74. 10s. per fathom, for the month. In the 20, west of shaft, the lode is making

continues the same, and the settings are the same, with the exception of one, which is slightly advanced. The dry weather has lessened our surface water, and the dressing of ores has thereby been retarded.

DENBIGHSHIRE CONSOLIDATED.—John Pryor, Sept. 43: The 112 East: Although little of the lode has been seen in this driving since it was intersected, I am pleased to say that its appearance is highly promising, the rook and lodestuff is of better character than I have ever seen here before. In the north cross-cut, out of the 112 west, the men are making fair progress considering the nature of the ground. There are two lodes which we should intersect at this point. In the new lode, out of the same level, we are making satisfactory progress in advancing upon its course, opening more ground during the last four weeks than we have done for some time. Since my last we have come across solid lumps of 102 to 110 lbs. in weight, and after carefully re-dialling this point, we find to our satisfaction that in about from 35 to 40 yards further driving we shall intersect the course of ore left in Parry's sump, and seeing that at our present depth we shall have a great deal of ground to stope away, our prospects may be considered very satisfactory. In the rise in the roof we have been meeting with ore in most favourable ground.

DEVON GREAT CONSOLS.—Sept. 24: The report from the mine is much the same as last week, the only difference being that in the 145 east the lode, or part thereof carried (5 ft.), is a good course of ore, worth 10 tons, or 40, per fathorn. The lode in Castle's winze, stripping down below the 130 cast, is a good course of ore, worth 15 tons, or 60% per fathorn. The sale of ore at Truro, yesterday, realised approximately 6123%.

DUBBY SYKE.—Wm. Tallantire, Sept. 17: Dubby Syke Level: I think the

ore, worth 15 tons, or 60% per fathom. The aggregate value of the workings amounts to 50 tons per fathom. The sale of ore at Truro, yesterday, realised approximately 612%.

DUBBY SYKE.—Wm. Tallantire, Sept. 17: Dubby Syke Level: I think the beds in the cross cut are dipping a little more than they did; the ground is very hard.—Shooting Box Level: We have got through the place that was crushed in; I am glad to say there is strong a good-like vein crossing the level, and it has not been tried or proved except driving the level through it. I think it is the Dubby flyke vein. The level is driven still further north, and we are continuing to clear it out. We have commenced the erection of a smithy. The road makers are going on well; we have covered 40 yards of their road this week.

DYLIFFE.—Edward Rogers, Sept. 22: Dyliffe Lode: At the 120 fm. level, driving east of boundary shaft, no lode has been taken down during the past week. In the winze in the bottom of the 56 we ascertain, by boring a hole, that the lode is about 2 ft. wide, composed of copper, blende, and a little lead. At the 25, driving east of old engine-shaft, there is no alteration; the lode is worth 15% per fathom. At the 15, east of this shaft, the lode is producing a little lead ore.—Esgairgaled Lode: The 45 is driving in favourable ground by the side of the lode. The winze in the bottom of the 35 is suspended by reason of foul air. I expect the ormunication must be made by a rise from the level below. We are sampling 80 tons of lead ore to-day for sale on the 29th inst.

EAST BASET.—R. Pryor, E. Adams, Sept. 29: On Friday last we set the following bargains. The stope in the back of tile 50, east and west of flat rod shaft, to six men, at 34. 10s, per fathom, is low or of cistern, and shall proceed at once to fix standing lift, also put in a large pole at the 40 fathom level. After this is complete I intend setting a lumping bargain to sink the shaft to the 74, in adopting this course I find it both a saving of time and money. The ground in the nor

EAST WHEAL GRENVILLE.—E. Hosking, W. Bennetts, Sept. 18: There is no change to report since our last.

EAST WHEAL GRENVILLE.—E. Hosking, W. Bennetts, Sept. 23: The stope below the 120, west of engine-shaft, is worth 51. per fathom. There is no change in the 120 cross-cut north. The stope above the 110, east of cross course, is worth 61. per fathom. The lode in the 75, west of cross-course, is worth 10 for per ore per f. thom. The rise above the 45 east is worth 61. per fathom. In the 25, east of cross-cut no lode has been taken down since our last.

GAWTON.—G. Rowe, G. Rowe, jun., Sept. 18: The lode in the stopes in the back of the 95, east of winze, is improved, worth 201, per fathom. All other points are without change since the report given for the general meeting on Wednesday last.

points are without change since the report given for the general meeting on weunesday last.

GLASGOW CARADON.—W. Taylor, Wm. J. Taylor, Sept. 21: There is no change of importance in the 78 cast, and the ground continues hard. In the 78 west the lode is worth 10. per fathom, in a favourable channel of ground. The middle level west is worth about 61, per fathom. This level cast, on south part, is worth 141, per fathom. We have holed the rise in the back of this end to the wince from the 65, making good ventilation, and opening out a good section of ore ground for stoping. This level west is worth 122, per fathom, in casy ground, which is going back by the side of the workings on the north lode, and we think may be altogether so if the workings in the 78 cast, a winze now sinking in the bottom, will prove this, in which the lode is worth from 181, to 201, per fathom. Now we have communicated from the 65 to the middle level we have resumed cirving the 56 cast, which we hope soon to get into the run of ore ground. The 52 cast, on the caunter lode latelyire-opened, presents a more promising appearance, where we hope to make some discovery. We are making good progress with the

new shaft, which we are pushing on as fast as possible. The stopes and pitches throughout the mine continue to look very well, varying in value from 121. to 28.1.

GLYN.—J. Reach, Sept. 23. The prospect in shallow adit level driving east, on south part of the lode are very encouraging; at present that part of the lode construction of the property of the part of the lode construction of the property of the part of the lode construction of the part of the lode are very encouraging; at present that part of the lode construction of the part of the lode are very encouraging; at present that part of the lode construction of the part of the lode of the

ore. In Andrew's winze, sinking below the 110 west, the lode is 4 the tope in the back of the worth 2 tons of ore or 6, per fathom. The lode is the stope in the back of the Morth 2 tons of the control of the control

8l. per fathom. NORTH POOL.—W. C. Vivian, F. Clymo, Sept. 23: The lode maintains its width of 5 ft., but we are now carrying a portion of about 5 ft. The reason for this is that the country rock on the south side is easier for driving, and of a more congenial nature for copper. It is worth noticing that the caunter branches,

which came in from the north west, have gassed through the north put of the information of the surface of stope of the put of the information of the surface of stope of the put of the formation of the surface of stope of the put of the formation of the surface of stope of the put of the surface of stope of the surface of the put of the surface of the put of the surface of the put of the surface of the surfac

PORT NIGEL.—J. Manley, Sept. 22: Setting Report: The shaftmen are not engaged outling tip-lodge. To drive the 56, east of engine-shaft, by six men, 37. per fathom, in a lode worth for lead ore 84, per fathom. The 56 west, by four men, at 94, per fathom, worth 124, per fathom. The 44 to drive east, by two men, at 54. 15s. per fathom, worth 124. per fathom. The winze sinking below the 44, by six men and three labourers, at 84. 16s. per fathom, the company to pay helabours; this winze is worth 204, per fathom for lead ore. The old stope in the back of the 44, by two men, at 84. 12s. per fathom, worth 104, per fathom, worth 104, per fathom, worth 105, per fathom, worth 105, per fathom, No. 1 stope, east of Powell'a rise, by four men, at 34. 16s. per fathom, No. 1 stope, east of Powell'a rise, by four men, at 34. 16s. per fathom, No. 2 stope east, by four men, at 34. 5s. per fathom, worth 124, and 144, per fathom. No. 2 stope east, by four men, at 34. 5s. per fathom, worth 124, and 144, per fathom. Praspectively. The rise over the 34, by two men, at 64. per fathom. Drawing and dressing is being pushed on a 1 fast as possible. I shall send out sample for 81 colled ore on Monday next.

PRINCE OF WALES.—J. Gifford, J. Pryor, Sept. 21: We have sat the 84 to drive west, by six men, at 104, per fm., stent the month. No other change. PRINCE OF WALES.—J. Gifford, J. Pryor, Sept. 23: We are pushing on the 77 and 55 west with all possible speed. The ground in the 55 is more favorable have about 75 tons of copper ore.

RELISTIAN CONSOLS—J. Ourtis, Sept. 23: We are now clearing and sear. Ing the deep addt level preparatory to sinking Duke's shaft.

RHEIDOL.—John Ridge, Sept. 18: In the 30 cast we have intersected a brand on the south side which disordered the lode a little; it is now improving again, and on the south side which disordered the lode a little; it is now improving again, and end is letting out water freely, and has a better appearance than hitherto on bill level east of shaft. In the 10 west the lode is getting int

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Sept. 18:

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Sept. 211

wo men, he 44, by bourers; ck of the ope over 151. per fathom. r fathom or 45 tons

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soon as received. NOOR.—D. Williams: Herewith you will receive a section of the auderground workings in this mine, showing the great extent of ground between the Black Hill level and the eastern shaft; we have six men in the Black Hill alt; the lode in which is over 6 ft. wide, composed of quartz, barytes, and line spar, and already showing lead, being altogether a strong masterly idel. In low 15 fms, further driving we expect that this level will be in under Ashworth's ground, from which he (Ashworth) got and sold ore enough to mak: a fortune, working the lode from the very surface, but to nothing like the depth of the level that we are driving, not having any pumping machinery. We expect the lode will be much richer below than ever Ashworth had it in his workings. We shall con-

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poppet heads and things connected with them. We shall have it all new and strong, and well fixed. We shall be able to put the steam on the engine before our next-tweeting.

WHEAL CREBOR.—J. Andrews, Sept. 29: The 120 cross-out south continues in clean killas, and as yet there are no signs of any more lode in that direction. The lode in the winze sinking below the 120 is without change. In the 108 cast we are carrying 3 ft. of the north part of the lode, which is composed of quartz, capel, and mundic, and yleiding good stones of yellow copper ore. The only change in the 72 cast is that the lode is letting out more water. The lode in the 48 cast is looking better, and during the last two or three days we have broken from the end some rich stones of yellow copper ore. In the stope in the back of the 48 we are stoping by side of lode.

WHEAL GILBERT CONSOLS.—Jas. Pope, Sept. 22: In the adit level west the lode is very much improved aince my last; it is now 1 ft. wide, worth for the 44, per fathom. The stope in the back of the adit, cast of shaft, is worth 104, per fathom. The stope above the 160, cast of cross-out, is worth 154, per fathom. The stope above the 160, east of cross-out, is worth 154, per fathom. The stope above the 160, east of cross-out, is worth 156, per fathom. The stope above the 160, east of cross-out, is worth 150, per fathom. The stope above the 160, east of cross-out, is worth 150, per fathom. The lode in the 130, wast of cross-out, is worth 161, per fathom. The lode in the 180, east of cross-out, is worth 164, per fathom. The lode in the 180, cast of cross-out, is worth 164, per fathom. The lode in the 180, cast of cross-out, is worth 164, per fathom. The lode in the 180, cast of cross-out, is worth 164, per fathom. The lode in the 180, cast of cross-out, is worth 164, per fathom. The lode in the 180, cast of cross-out, is worth 164, per fathom. The lode in the 180, cast of cross-out, is worth 164, per fathom. The lode in the 180, cast of cross-out, is worth 164, per fathom. The lode in the n

below the 130, on Old Tin lode, is 2 ft. wide, producing stamping work. This shaft is down 3 fms., and now that the men have fixed the plunger we expect to make good progress. The lode in the 130 east is 18 in. wide, and worth 5t. per fathom.

WHEAL KITY (St. Agnes).—S. Davey, Sept. 18: New Shaft—Pryor's Lode: We have nothing new to report in the 154 fm. level cross cut, driving south, but are pushing it on as fast as possible to reach the lode. The lode in the 124 driving west of shaft, is worth for tin 8t. per fathom. In the 143, driving east of shaft, the lode is producing good average tinstuff for the stamps. In the 143, driving north on the caunter, the lode is worth for the 12t. per fathoms; a very promising looking lode. The lode in the 180, driving west of shaft, is 4ft. wide, worth for tin 12t. per fathom. In the 19d, driving west of shaft, is 4ft. wide, worth for tin 12t. per fathom. In the 19d, driving west of shaft, is 4ft. wide, worth for tin 12t. per fathom. In the 19d, driving west of engine shaft, is 2½ ft. wide, worth for tin 12t. per fathom. In the 9d, driving sest of engine shaft, is 19d, ewenth for tin 12t. per fathom. In the 9d, driving sest of engine shaft, is 19d, ewenth for tin 12t. per fathom. In the 9d, driving sest of engine shaft, is 19d, ewenth for tin 12t. per fathom. In the 9d, driving east of engine-shaft, no lode has been taken up. The lode in the winze sinking below the north adit level west is 3 ft. wide, composed of quartz, peach, prian, and interspersed with spots of yellow copper ore—a very kindly lode.

WHEAL UNITY WOOD.—G. E. Tremayne, W. Mayne, Sept. 23: The engine-shaft is 7 fms. under the 6d; the lode here is at present disordered by a small elvan course crossing the shaft; the lode is 4ft. wide, and worth for tin 20t. per fathom. In the 6d, west of the shaft, the lode is 3ft. wide, and worth for tin 20t. per fathom. In a stope in the back of this level the lode is 3ft. wide, and worth for tin 20t. per fathom. In a stope in the back of this level the lode is 3ft. wide,

VAN MINING COMPANY-MONTHLY REPORT.

VAN MINING COMPANY—MONTHLY REPORT.

Sept. 22.—As under I beg to forward you my monthly report of this mine;—Seaham's Shaft: The shaftmen are preparing for sinking, and in a few days I shall set to them to sink another 15 fathoms sent for the 105 fm. level, below adit. In the 90, east of shaft, the end is still worth 30. per cubic fathom for lead ore; the present end of the level is 5½ fathoms east of the shaft. The same level west is extended 18 fathoms, worth 45. per cubic fathom. The winze sinking below the 75, at a point 10 fathoms west of shaft, is communicated with this level, consequently the ventilation of the latter level is all that could be desired. We are now crossing south under the winze, in order to intersect the course of ore seen in the winze, but which underlayed south into the hanging. In the 75, east of the shaft, the cross-cut nort in the present end of the level is driven 44 ft., of which 40 ft. is mixed up throughout with lead ore. The 75, west of shaft, is extended 55 fathoms, and worth at present 70!, per cubic fathom for lead ore. The 160, west of the shaft, is extended 56 fathoms, and worth at present 70!, per cubic fathom for lead ore. The 60, west of the shaft, is extended 187 fathoms west of the shaft, in the side of this level, are worth respectively 42!, and 22!, per cubic fathom for lead ore. The 60, west of the shaft, is extended 187 fathoms by the side of the lode. The stopes in the back of this level, east and west of the shaft (16 in number), are worth on an average 25!, per cubic fathom for lead ore; average width 175, and we have now commenced crossing north at the bottom of the winze, in order to communicate with the 75, which is driving upon the main leader, and is within about 2 fathoms of reaching the line of the winze. We are still pushing forward the 45, which is now 191 fathoms west of the shaft, are worth 24!, per cubic fathom; average width 17½ ft. The stope in the back of the 30, east of shaft, is worth 17!, per cubic fathom. The stope in the back of the 30, east

ECHOES FROM THE MINING MARKET.

sein leikes place to-morrow, upon 509 tons of lead and 150 tons of blende.—Ww.
WILLIAMS.

ECHOES FROM THE MINING MARKET.

Although Cornish smelters continue to give considerably more than their official standard, no rise has up to the moment of writing been announced, although such a movement appears imminent. A very good trade is now being done in the metal, and we believe stocks are going into firm hands—an important feature in a rising market. Whilst rolonial and foreign imports show at the moment signs of decrease, consumption continues to increase with rapid strides. The following statistics showing the English exports for eight months ending August last will, doubtless, prove interesting to our readers. During the period in question this country sent abroad to no less than 5000 tons more than from January to August last year. If increased value in tin was not so likely to stimulate increased supplies from Australia the prospects of the thir rade would be very good. As it is, however, they are encouraged to the control of the third of the control of the prospects of the thir rade would be very good. As it is, however, they are encouraged to the control of the control

ARTIFICIAL FUEL. — The invention of Mr. D. F. PACKER, of Mystic river, Connecticut, consists in manufacturing the fuel by mixing coal dust with a resinous substance, while the latter is in a cool, dry, and pulverised condition, and then causing a more intimate mixture by subjecting the substances together, and while being agliated to the action of heat.

CONSOLIDATED COAL.—The novelty of the invention of Messrs.
DANYERS and LANTON, of Ealing and Hoxton, consists of the use of farina, or staroh, in the manufacture of artificial fuel, or cencelidated coal, without water, the staroh being boiled in that or other mineral or vegetable oil, also in the melting of

the pitch—when that material also is used—in tar, before being mixed with the small coal, culine, or breeze.

The Mining Market: Brices of Metals, Ores, &c.

			1	ME:	TAI	MARKET-London, SE	PT.	24, 1	875	
COPPER.	£		d. £	8.	d.	IRON. per ton. &	8.	d. £	8.	d
Best selected p. ton			0- 92		0	Bars Welsh, in London 7	15	0-8	0	(
Tough cake and tile.		Ö	0- 89		0	Do., to arrive 7	12	6-	-	
Sheathing & sheets			0- 95		0	Nail rods 8	5	0- 9	10	(
Bolts		0	0- 94		0	Staffd. in London 8	15	0- 9	10	(
Bottoms		0	0-	_		Bars ditto 9	0	0-9	5	-
Old		0	0-			Bars ,, ditto 9 Hoops ,, ditto 10	5	0-10	10	(
Australian, Wallaroo	03	0	0- 93	0	0	Bars ,, at works 8	5	0- 9	5	(
ditto other brands	89		0- 90		0	Hoops, ditto 9	5	0 - 11	0	(
Chili bars, g.o.b		0	0- 82		0	Sheets, single, & plates12	0	0-12	10	(
Wireper lb.	0				-	Pig No. 1, in Wales 5	0	0- 6	10	(
Tubes	0	1	014-	_		Refined metal, ditto 7			0	
					4	Bars, common, ditto 7	0	0- 7	5	
BRASS.			per l	D.		Do., merchant, f.o.b. } 7				
Bheets			Brita.	TOU	•	in Tyne or Tees	15	0-8	0	1
Wire	*****	***	91% a			Do., railway, in Wales 6	10	0- 7	0	1
Tubes			9% a	113	ţa.	Do., Swed. in London.14		0-15	0	
Yellow metal sheath	ing		73/d.	-8d.		To arrive14		0-	_	
Bheets			73/d.		_	Pig, No. 1, in Clyde 3	0	0- 3	8	1
						Do., f.o.b. Tyne or Tees 2		0- 3		
SPELTER. Foreign on the spot		Pt	r ton.			Do., Nos.3,4, f.o.b., do. 2		0- 2		
Foreign on the spot	20	0	0-	_		Railway chairs 4				
,, to arrive	20	U	0-	_		spikes12	0	0-18		
ZINC.						Swedish boiler plates25		0-35		
In sheets	30	0	0-31	10	0		0	0-29		
TIN.						" sheets & strips28				,
English blocks &	90	0	0-	_		STEEL.	1	per to	n.	
Do., bars (in brls.)	91	0	0-	-		Bwed., in kegs (rolled)	_	-	-	
	92			_		Ditto (hammered)19	5	0	-	
Do., reflued	92			nom		Ditto, in faggots20	0	0-	_	
	86		0- 86			English, spring18	0	0 - 22	0	1
Straits	83	0	0- 8			T T A T		now to	***	
Australian	00	-	-	-	0	English Pig, com23	0	0_93	, F	
TIN-PLATES.			per be			Enguish Fig, com25	5	0-20	-	
IC Charcoal, 1st qua.	1 21	10	0-	1 11	0	Ditto, L.B23	0	0-	-	
IX Do., 1st quality	1	16	0-	1 17	0	Ditto, W.B24	10	0-	-	
IC Do., 2d quality	. 1		0-	8	0	Ditto, sheet24	10	0-		
IX Do., 2d quality	. 1	12	0-	1 14	0	Ditto, red lead25	0	0 90		
10 Coke	1	. 1	0-	1 9	0	Ditto, white30	10	0-32	0	
IX Ditto	1	- 7	0-			Ditto, patent shot26	10			
Canada plates, p. ton.	. 14	10	0-1	5 0	0	Spanish22		0-22	-	
		0	0-1						noi	

At the works, ls. to ls. 6d. per ton less. † Add 6s. for each X. Terne-plates 2s. per box below tin-plates of similar brand. REMARKS.—Although there is not much material alteration in the position of the Metal Market to comment upon this week, still

the position of the Metal Market to comment upon this week, still there are indications once more apparent of a tendency to improve, which as time wears on may develope more decidedly, but not to the return of normal activity until the opening of the shipping season next year. Prices generally tend to firmness, notably in the tin market, which has been rising for some time past, and is now from 30s. to 2l. higher than last week. Copper, on the other hand, is slightly easier. Still, the appearances are in favour of the maintenance of values generally.

The past months must have effected some positive good to the community, although not unattended with inconvenience to individual sufferers, some of whom have courted the calamities which have fallen upon them by the rashness of their proceedings and the unwarrantable character of their transactions. Others, who deserved a better fate, have been drawn into the vortex; but the result is an effectual clearance of unsound speculation.

The credit system has received a death blow, and those markets which have been given to schemes which might answer the purposes of promoters—but of none others—new andertakings of a less questionable character have been held over until the times should improve. The Press has done good service in the exposure of what is unsound, and the publication within the last few days of the Foreign Loan Blue Book, which may be purchased at 8s. 6d., reveals truths which have already cost the nation millions more. The bankers have throughout this trying period exercised due caution, so that the general position of the mercantile body must be sounder than it was, the atmosphere must have been cleared, and confidence must in a great measure be restored.

COPPER.—The market has been very limited, and sales have been effected with difficulty. There has been but little change in the expectation for the decreance of the effected with difficulty. There has been but little change in the expectations.

effected with difficulty. There has been but little change in the quotations for Chili bars, which stand at 81*l*. and 81*l*. 5s. Picked brands, 82s. to 82*l*. 10s. cash. English tough very quiet at 88*l*.; best selected, 89*l*. to 90*l*. India sheets are quoted 94*l*., and Yellow Metal

selected, out to 12.7 to 84.

The state of trade in South Wales exhibits no improveIRON.—The state of trade in South Wales exhibits no improvement; indeed, just at the moment the attention of masters and men is diverted from the main object for which they are associated—on the part of the masters the obtaining of work, and on that of the men the execution of the same, to a new phase of internecine warfare, regarding which both sides appear to be equally firm. It appears that the masters demand that the men should applogise for certain expressions which Mr. Macdonald, their representative at the Conciliation Board, has made use of in regard to the lock-out by the masters of 80,000 men at the beginning of this year. The men instead of electing another representative have upon various occasions declared their intention of not withdrawing their confidence from Mr. Macdonald. This being so, Mr. H. Vivian, M.P., the representative of the masters at the board, published the following letter:—"It see from the report of the meeting of delegates that a large majority affirmed the retention of Mr. Macdonald on the board appointed to arrange a sliding scale of wages for South Wales and Monmouthshire. That decision puts in peril the working out of the scheme which all good men on both sides have looked to as the only one likely to prevent a recurrence of such disastrots. I have most anxiously considered the position, and I may be permitted to say that no event of my life would cause me such lasting regret as to feel that, however innocently I had contributed towards a deplorable issue, I was the first to suggest in my speech at Bridgend, in February last, the propriety of adopting a self-adjusting scale of wages upon the principle just introduced by the late Sir Thomas Phillips, and I should be the last person to leave any stone unturned in earrying it out with that great object before me. I shall again respectfully 'request the council of the Masters' Association to accept my retirement. No difficulty will exist in finding one of their number quite as competent as myself to represent them, and, as it fortunately happens that neither of the other members was sele ment; indeed, just at the moment the attention of masters and men is diverted from the main object for which they are associated—on the part of the masters the obtaining of work, and on that of the

Week ending Sept. 19, 1874 Week ending Sept. 18, 1875 Decrease rease for 1875

Total increase for 1878

LEAD.—There is no change to report in the position of this metal.

Good soft English pig is quoted 23. to 23. 5s., and soft Spanish without silver, 22l. 12s. 6d. to 22l. 15s.

ZINC .-- London rolled has realised 29%

SPELTER.—Silesian rules 24l, 15s. to 25l., and English hard 18l. 15s.

difficult to procure.

QUICKSILVER.—At the beginning of the week sales were effected at 13/. The price in first hands was then advanced to 13/. 10s., and on Wednesday to 14/.

on Wednesday to 14t.

Tin.—The market opened firm, and sales were effected in Straits tin at 8tt. to 8tt. 10s. cach, and 85t. middle of October open, and 85t. 10s. October delivery, and the same price September and October shipment. Small parcels of Australian changed hands at 8tt. 10s. to shipment. Small parcels of Austranan changed mands as office. 824, 5a. As the week wore on the market became more active, and a

are indifferent about booking orders, there being little or no profit.

THE IRON TRADE (Griffiths's Weekly Report).—Friday Evening, Sept. 24.—We report an advance of £d. per ton in the price of g.m.b. iron on the Glasgow Exchange this week. This day week the closing price was £ds. £d.; this afternoon's market left off £fs. seliers, showing the advance. We quote makers No. 1 iron as follows:—Gartsherrie, 78s.; Coltness, £fs.; Calder, 78s.; Luglang, 78s.; Summerlee, £ds.; Monkland, £fs., £o.b. Glasgow; Glengarnock, 71s.; £g-linton, £ds., £o.b. Androssan; \$hotts, 78s. £o.b. Leith; Kenniel, £ds. £o.b. Bo'ness, Our market continues £rm, and for all kinds of good iron there is a fair demand. The manufacturing trade £ags most where low qualities are made, hence best \$taffordshire and \$thropshire bars; are in better demand on this market than any other kinds, and there has been more business doing in Snedshill and Millington's boiler plates at full rates. Orders for sheets and hoops are plentiful, and there is more business doing in nail-roots for export.

The tin plate market continues quiet. The demand this week is perhaps a little weaker. This, however, may be owing to the near advent of the quarterly meeting, when perhaps buyers expect something may turn up to their advantage. We believe that the market for tin-plates will be better at Quarter-day than it is now, and, as stated last week, it is not at all improbable that resolutions will be passed at the quarterly meeting to reduce the make considerably. Referring to our producing centres, \$taffordshire, \$hropshire, and Warrington enjoy a greater amount of prosperity at the present time, than any other districts, the boiler-plate trade as a whole, even here, is £at and inanimate. The noted Yorkshire houses are ready market in \$heffield and \$taffordshire for all their produce. The West Coast smelters complain of the demand, and, as a rule, are stacking pigs. In Northamp tonshire, the stocks are increasing considerably at Heyford, diminishing at \$towe, and the famous

had improved, but the manufacturing trade in this important district is in a depressed condition. The orders for rails are few and small, and this department of the trade is most unsatisfactory.

The smelters in North Wales are disposing of large quantities of best pig-iron to Staffordshire and Shropshire; but the general complaint is that, in face of the unfavourable labour market, they are working without a profit.

We are now getting very near to Quarter day, and our subscribers will like to know what we think of prices for next quarter. We have no hesitation in saying that there will be no change. There can be no reduction in price, this is quite certain, and although the smelters have been losing money all the quarter, and the manufacturers with the recent advance in wages can scarcely hold their own, any official advance in price would be impracticable at present rates. The Belgians are invading our markets for common iron, and as long as the present unfavourable conditions surround to labour market this will present a serious obstacle to the masters' profits, and act as a cankerworm to the very best interests of the iron trade.

Messrs. James and Shakspeare—Copper: Furnace material has been without transactions, importers still holding out for figures beyond the actual market values. Not much trade has transpired in Chili bars, although rumours were constantly afloat of large purchases in this description. There is no doubt, however, that the quotations offer an inducement to buyers to supply themselves rather freely thereat; but such is the apathy in the trade that no one apparently good deliveries per month, we have to note a dull and dragging market. Australian sorts are steady, but there is not much business doing. English is likewise quiet, and smelters are apparently willing to book orders for manufactured on slighty easier terms.——Tin: English is dull, but firm, and smelters will only sell at our list quotations. Foreign descriptions continue in good request; the transactions during the week, both in Australian and Straits, having again been on a large scale, and causing a further rise of about 2s. per cwt. The quantity of the latter sort now afloat is rather small; and, as it is thought that sales for delivery next month have still to be covered in, holders are asking top values, and will only sell sparingly thereat.—Lead has not been quite so active, but prices are well maintained, and purchases can only be effected at full rates.—Quicksilver: In this article we have to note a further advance of 40s. per bottle. The quotation, however, remains nominal, and each order is a matter of special negociation.

Messrs, Vivian, Younger, and Bond.—Copper: There was little

Messrs. Vivian, Younger, and Bond.—COPPER: There was little usiness reported in this article during the greater part of the week, importer being unwilling to accept less than 82l. for good ordinary brands on spot, while unvers offered only 3lt., at which price orders for considerable quantities were in buyers offered only \$1.1., at which price orders for considerable quantities were in the market. During the last two days, however, some holders have met the demand, and a moderate business has taken place in bars, at \$11. to \$11. 10s. Manufactured copper has not been much enquired for; some orders for India sheets have been placed at \$41.—Tin: This article has again improved in value, and large transactions have taken place from day to day. Straits has advanced about 30s. and Australian about 20s. during the week and the market closes firm, at quotations. English continues neglected.—Speltzer and Lead are rather less firm.

English continues neglected. ——SPELTER and LEAD are rather less firm.

Messrs. Henry Rogers, Sons, and Co.—COPPER: The demand has been very sluggish since the arrival of the last charters, and prices have fallen now from the highest quite 40s. per ton. The importers are not disposed, however, to quit their holdings at present values, which leave them a loss on prime cost, and such demand as exists is supplied by the dealers, who apparently look for lower quotations later on. For manufactured, both in copper and metal, there is a very good enquiry, but prices are too high to admit of much trade resulting. —Thy: There has been an active demand again, and prices have advanced in the week 40s. for Straits, and \$30s. for Australian.—SPELTER: Prices are maintained; the demand is hardly so active as it has been. On the Continent the market is again higher. —QUICKSILVER is advanced almost daily; price for limited quantities is now 14t.

Mr. Murrant—Tin: In foreign a large amount of sales have been reported during the week at improving values, and the tone of the market has been firm. A certain amount of irregularity was, however, observable—continued speculative buying, in the opinion of many, would send the price to 100′c in a short time. It will be remembered that it was pointed out in the corresponding sheet to this in August last that a turning point must sooner or later be reached. Meanwhile, the article is still obtainable for forward shipment below cash prices. The reported business is 500 tons Straits and 350 tons Australian, at 30s. to 85s., for each and shipment. —Coppers: In Chili a sale of 500 tons was reported as made on Tuesday. It is to be presumed that some of the large sales reported are merely speculative operations, as if not stocks would very soon vanish altogether. As it is, such transactions appear to have little or no effect on the market. Beyond the above business but little has been done. It is hoped that the next charters may be small, and a recovery might then be looked for. The sales have been 850 tons of g.o.b.'s and named brands, at 81′c to 82′c. 10s. for cush and arrival. —TIN-PLATES have been dealt in at rather lower prices, and it is considered probable that in view of the present situation a reduction in the make may take place. —SPELEER rather dearer. — LEAD continues firm.—QUICKSILVER has improved in value,

Messrs. French and Smith—COPPER steady. —TIN: There has been more business, and the price of Straits has advanced to 85%; Australian, 83′c to 83′c 10s. — LEAD: Firm at our quotations. —QUICKSILVER: It is difficult to quote from hour to hour; the price appears advancing.

Messrs. Pixley and Abell—GOLD: All arrivals of gold since our Mr. Murrant-Tin: In foreign a large amount of sales have been

Messrs. Pixley and Abell—Gold: All arrivals of gold since our last circular have been taken for export. They comprise 37,000?, per Aconcagna, from the Pacific, and about 271,00%, in bar-gold and coin, by P. and O. steamer Gwallor, from Australia and the East. This vessel brings also 451,000 sovereigns have 50,000 sovereigns been sent into the Bank; and 487,000%, in sovereigns, bar-gold, and American gold coin, have been withdrawn for the Continent, the United States, and South America. The shipments to America amount to about 140,000%.
—SILVER has been in good demand at 58½d. per oz. standard, at which rate the 43,000% brought by the Aconcagua from the Pacific was disposed of. The enquiry is now rather less active, and sales have been effected to-day at 58 11-16d. per oz. standard. The Frisia, from New York, brought 15,000% in dollars and silver; the City of Brussels, also from New York, brought 15,000% in dollars and silver; the Brazils, 10,00% in silver and coin.

Under the impression that tin must soon advance, the chief demand in the MINING SHARE MARKET since our last has been for the old tin mines, one or two of which have improved in price. the old tin mines, one or two of which have improved in price. Lead and copper mines have also received a fair amount of attention. The Banca sale of tin—22,900 slabs—will take place on Wednesday. In Cornwall the demand for tin ore is such, we are told, that the smelters are giving 3l. to 4l. above the standard, which must, therefore, be officially advanced before long.

The mines chiefly dealt in have been Carn Brea, Dolcoath, Roman Gravels, Pateley Bridge, Parys Mountain, Van, Van Consols, Tankerville, South Condurrow, Wheal Grenville, Ladywell, Marke Valley, Great Laxey, Plynlimmon, Wheal Peevor, Prince of Wales, West Chiverton, West Tankerville, and a few others.

Carn Brea shares have been largely dealt in and advanced to 574.

West Chiverton, West Tankerville, and a few others.
Carn Brea shares have been largely dealt in, and advanced to 57\frac{1}{2},
60. Dolcoath, 47\frac{1}{2} to 50; the engine-shaft now sinking below the
314 is worth, we understand, 5 tons of black tin, or 250L per fm.;
this is about 2000 ft. below the surface. Devon Great Consols, 2\frac{5}{2}
to 2\frac{1}{2}; the sale of copper ore this month (1320 tons) realised
6215L 8s. 6d. The 145 east is in a good course of ore, worth 10 tons,
or 40L per fathom. The lode in Castle's winze, below the 130 east,
is worth 15 tons, or 60L per fathom. The aggregate value of the
points in operation is 59 tons per fathom. Marke Valley, 3 to 3\frac{1}{2};
the sale of lead was 365 tons of ore, for 1712L 14s.

Tankerville, 10\frac{1}{2} to 11; Watson's shaft is now down 8\frac{1}{2} fathoms
below the 152, and in a fine course of ore. The stopes in the back
of the 152, east and west, are worth in the aggregate 18 tons of lead
ore per fathom. Stopes in the 140 west are worth together 9 tons

of the 152, east and west, are worth in the aggregate 18 tons of lead ore per fathom. Stopes in the 140 west are worth together 9 tons of lead ore per fathom. West Tankerville, 1½ to 1½; the 63 south is worth 1½ ton of lead ore per fathom. The 50 south is holed to winze, and stopes worth 1½ ton per fathom. Twenty tons of lead ore and 20 tons of blende will be sampled next week. Roman Gravels, 11½ to 12½; the 95 end north is worth 2½ tons lead ore per fm.

Parvs Mountain, 11s. 6d. to 12s-6d.; the directors have availed Parys Mountain, 11s. 6d. to 12s-6d.; the directors have availed themselves of the powers vested in them, and referred to at the last

large business was transacted daily at full prices. Straits tin has changed hands at 85% ca-b, and Australian has advanced to 83% 10s. English bars, 90%.

Tin-Plates.—The market is quiet, and at present prices makers are indifferent about booking orders, there being little or no profit. general meeting, to issue 2000 shares at 10s. each, and as far as possible pro rata to present holders. This will place the company in a good financial position, and supply ample capital to carry on important tutwork operations, which are expected shortly to lead to good results. The regular returns of this mine, we understand, left a profit last month. The report this week states that another branch has been cut in the 90 cross-cut south, which looks well for the largels about

a profit last month. The report this week states that another branch has been cut in the 90 cross-cut south, which looks well for the levels ahead.

South Roman Gravels, ½ to ½; the annual general meeting called for Thursday was adjourned for a month, in consequence of there not being sufficient shareholders present to form a quorun, according to the Articles of Association. At the adjourned meeting a proposition will be submitted for raising the necessary capital to sink the shaft to the 60 fm. level. The agent considers that 4500l. will be required to do this, and of this sum 1500l. was offered at the meeting by three shareholders. All, however, will just have as opportunity of participating pro ra'a. The lode when first cut at the 10 was only 18 in. wide, and at the 30 it increased to 14 ft. wide, where it shows every indication of becoming valuable in depth, and it will also intersect or form a junction with the other lodes. Bog, 3s. to 3s.; Cook's Kitchen, 8½ to 9; East Lovell, 7½ to 3½; Ladywell, 2½ to 16; Great Laxey, 15½ to 16½; Herodsfoot, 3 to 3½; Ladywell, 2½ to 3; Penhalls, 2 to 2½; Pennerley, ½ to 1½; Plynlimmon, 9s. to 11s.; Prince of Wales, 3s. to 5s.

At the West Poldice meeting the accounts showed a loss of 196l. on five months' working. The copper ore sold realised 80%; tinstuff, 552l. The last month's raising of tin stone sold for 332l. Cathedral, 25s. to 27s. 6d.; the lode in the engine-shaft has very much improved. Providence Mines, 2½ to 3. Tyllwydd, 20s. to 25s. Bampfylde, 17s.6d. to 22s. 6d. St. Patrick, 20s. to 22s.6d. New Hendra, 22s. 6d. to 25s. Rookhope Valley, 6s. to 8s. South Carn Brea, 30s. to 33s.; we understand a call of 5s. per share will be made at the meeting. South Condurrow, 5½ to 6. New Rosenwarne, ½ to ½; the 6'f west is improving; rise above 5l, per fathom; 58 west is a fine end, worth 7l, per fathom. Relistian Consols, ½ to ½. St. Agnes Consols, 5½ to 5½; the 72 west is reported worth 10l. per fathom. Old Tincroft, 4½ to 4½. South Crofty, 25 to 27½. South Frances, 5 to

Javali shares have been weaker, and leave on 103, to 103, a temperam has been received stating that 610 ozs. of gold have been obtained, and that the profit for the month was 1100k. Cape Copper, 34 to 35; the directors here have declared a dividend of 1k per 11 to 10 to Javali shares have been weaker, and leave off 13s. to 15s.; a tele-34 to 35; the directors here have declared a dividend of 1l. per share. St. John del Rey, 390 to 400; the profit for the month of August is 13,400l. Don Pedro, \(\frac{1}{2}\) dis. to par; the loss for the month is 800l. Birdseye Creek, 1\(\frac{1}{3}\) to 2; Chontales, 10s. to 12s. 6d.; Eberhardt and Aurora, 8\(\frac{1}{2}\) to 8\(\frac{1}{2}\); Emma, 1\(\frac{1}{3}\) to 1\(\frac{1}{3}\); Frontino and Bolivia, 20s. to 25s.; Richmond, 9\(\frac{3}{4}\) to 10\(\frac{1}{4}\); Sweetland Creek, 2\(\frac{1}{6}\) to 3\(\frac{1}{2}\); Western Andes, 5 to 5\(\frac{1}{2}\); at the meeting, on Thursday, reported in another column, a further dividend of 8 per cent. was declared, making, with the guaranteed dividend of 12 per cent. already paid, 20 per cent. for the year ending April 30. Out of the surplus profits 4000l. Was carried to the reserve fund, which now stands at 8000l. The directors of the West Prussian Mining Company have declared an interim dividend for the four months during which the company has been in existence at the rate of 8 per cent, per annum company has been in existence at the rate of 8 per cent. per annum apon both the preference and A shares of the company

The Market for Mine Shares on the Stock Exchange during the week has been moderately active, a fair amount of business having taken place at comparatively firm quotations. The principal feature has been a demand for the leading tin mines, the rise in the value of that metal having stimulated purchases. Lead mines continue to be in request, shares changing hands at advancing prices. The tone of the market generally points to further improvement. In Silver Mines there has been an improving market throughout the week, considerable firmness having been imparted by the favourable cablegram received from the Richmond and the Eberbardt

the week, considerable firmness having been imparted by the favourable cablegram received from the Richmond and the Eberhardt Mines. Richmond shares have, it is understood, been largely purchased to close some long outstanding heavy "bear" accounts, and it is believed a large number of similar purchases have yet to be made. Cablegram received—"Week's run, \$38,000; mine muchimproved—sunk 20 ft." Doré bars to the value of \$37,000 were forwarded last week for sale. The bullion produced this season amounts to \$559,000, and since the end of February to \$1,081,000. The refinery this season has produced gold and silver to the value of \$593,000, irrespective of the lead.

The refinery this season has produced \$593,000, irrespective of the lead.

All the furnaces and machinery connected therewith are reported to be in good order, and the returns should be henceforth proported to the means now at command. The winze sinking in the progress in to be in good order, and the returns successful to the means now at command. The winze sinking in the main lode is down 20 ft. below the 6:0 ft. level, the progress in this being at the rate of 14 ft, weekly. Whether the improvements of the rate of 14 ft. main lode is down 20 ft. below the 6:0 ft. level, the progress in sinking being at the rate of 14 ft. weekly. Whether the improvement in the mine, cabled on Tuesday, relates to some specific discovery or indicates a general increase in the ore bodies is not yet known. The strike of quartz ore, assaying \$5 in gold is likely to have a very beneficial influence on the future returns, & the quartz is urgently needed as a flux. The quartz bed in the Eureka Consolidated is reported now to assay from \$15 to \$75. There can, therefore, be little doubt that when the same depth is reached on the Richmond side, a like improvement in quality will

There can, therefore, be little doubt that when the same depth is reached on the Richmond side, a like improvement in quality will prevail. The shares close 10½.

Eberhardt and Aurora, 8½ to 8½; a cablegram announces that the ore mined in August was 1874 tons; ore on mine and mill dump, 1292 tons; ore milled, 1720 tons; assay value, 21,382/. = 121,10s. per ton; bullion produced, 16,777/.; running expenses, 8000/.; estimated profit, 8777/. Capt. Drake also reports, under date Aug. 26, that sufficient stores of all kinds have been provided to last up to May of next year, that the appearances of the mines are favourable, that the mill is working well, and that the general prospects are that the mill is working well, and that the general prospects are good. Referring to the accounts, Capt. Drake states that they have been forwarded, giving a correct showing of the condition of the financial affairs of the company up to June 20. Aithough they do not exhibit the profits which shareholders may desire, yet for the time the mill has been running the showing speaks well for the property, and Capt. Drake has no hesitancy in saying that for the six months ending Dec. 31 there will be a much larger showing. Ha makes no ending Dec. 31 there will be a much larger showing. He makes no promise of large dividends, but feels confident that they will have a very fair surplus to forward. Attention is called to the estimate he gave in his report at the commencement of this year, and compares them with his workings to June 30, and feels that what he stated he could do under certain circumstances—if he had had the \$30,000 held by the board at that time—he should have more than verified his statement. The directors have accepted the offer of a member of the board (Mr. Wild) to proceed to Nevada, and confer ith Carl Beakers. member of the board (Mr. Wild) to proceed to Nevada, and confor with Capt. Drake upon the general prospects of the company; immediately upon the receipt of Mr. Wild's report the ordinary half-yearly meeting will be called. Utah, 5s. to 10s.; the adjourned general meeting was held on Tuesday, when, after some discussion and several propositions, it was agreed to further adjourn the meeting to allow Mr. Applegarth to get a report from a reliable agent as to the best thing to be done, it being understood that fresh capital would be forthcoming if so advised. The report appears in another column.

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THE MINING JOURNAL

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RALIFAX SHARE MARKET (THURSDAY).—The following quotations are from Mr. J. H. Thuckrah's list:—Halifax and Huddersfield Union Bank, 30; Halifax Iolis-Block Bank, 28; Halifax Commercial Bank, 24½; London and Yorkshire Bank, 73; Mon Crossley, 134; Whitworth and Co. 5½; Elland Gas, 20; Rastrick Gas, 18½; Bradford Brick and Tile, A, 26; B, 8; Charlestown Brick and Tile, 8; Ripponden Commercial, 13½; Hebden Bridge Cotton, 10; Yorkshire Boller In sames Company, 21s.; Norton Brothers, 8½.

apponden Commercial, 13%; Hebden Bridge Cotton, 10; Yorkshire Bonier an agrance Company, 21s.; Norton Brothers, 8%.

CORNISH MINE SHARE MARKET.—The share market has continued active during the week, with tin shares generally eagerly enquired for. Prices in many instances have advanced from last week's quotations, and close firm at the rise. The tin market during the week has also kept firm, with a large business doing. Business are still giving from 3t, to 4t. above the standards, and their agents are all rey anxious to buy tin of the mines. An official rise of the standards is daily koled for. It is difficult to understand why the smelters do not officially announce that rise in the standards, instead of making the sale of tin a matter of negociation. The Banca sale is to be held on Wednesday, when 22,500 slabs are to be officed for sale. We are glad to see Mr. Basset, of Tchidy, coming forward advocities. The Banca sale is to be held on Wednesday, when 22,500 slabs are to be officed for sale. We are glad to see Mr. Basset, of Tchidy, coming forward advocities to the sale of the s

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WANTED TO PURCHASE, any PART of THIRTY SHARES, at £8% cash.
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WANTED, a MANAGER OF EXPERIENCE, for the NEW SHARLSTON COLLIERIES, situated near Normanton and Wakefield,

Y SHARLISTON COMMENSARY, Yorkshire.

Application, with testimonials and salary required, to be sent to the Secretary, New Sharlston Collieries Company (Limited), 110, Cannon street, London, E.C.

WANTED, by the Adversiser, a Position as WORKS MANAGER in an IRON WORKS in ENGLAND or on the CONTINENT, Is thoroughly practical; profit, workmanship, and quality guaranteed. First-class references given. Security if required.

Address, "M. B.," MINING JOURNAL Office, 26, Fleet-street, London, E.C.

WANTED, in an Engineering Works, a MANAGER, thoroughly acquainted with MINING WORK and with SHOP MANIPULATION. Address, stating particulars of experience, salary expected, &c., to "C. C.," MINING JOURNAL Office, 26, Fleet street, London.

WANTED, to PROVE a SILVER-LEAD MINE, on which four Gentlemen have expended £2500, and for which one-third of the Mine will be reserved, FIVE THOUSAND POUNDS for the remaining two-thirds. Lode 40 ft. wide: good machinery; and engine-shaft sunk 30 fms. under adit. The trial is pronounced by the best authorities as almost certain to prove as rich a Mine as any worked in the Principality.

All information and particulars may be had by addressing, "C. R. R. and F., MINING JOURNAL Office, 26, Fleet-street.—Sept. I, 1875.

WANTED, on MORTGAGE of a ROOFING SLATE QUARRY, in WALES, producing first-class slates, TWO THOUSAND FIVE HUNDRED POUNDS, at Ten per cent., as working capital, to extend the production and utilise the deadwork already executed.

Apply to R. Gervase Elwes, C.E., 7, Westminster Chambers, 8.W.

WANTED, SEVERAL STRONG WOODEN HORSE SINKING CRABB; also a SECOND-HAND AIR COMPRESSING APPARATUS.

Apply to Mr. DAGLISH, Mining Offices, Tynemouth.

PHOSPHATE OF LIME IN THE SOUTH OF FRANCE.—
PARTIES intending to INVEST in those MINES can obtain full particulars of their value on application to—
Capt. WM. NANCE, of Caglus, Tarn-et-Garonne, France.

THE CAPE COPPER MINING COMPANY

Notice is hereby given, that at a MEETING of the directors of this company,
HELD TO-DAY, it was resolved:

"That a DIVIDEND of TWENTY SHILLINGS PER SHARE, free of income
tax, be and is hereby declared, PAYABLE on the 29th day of September instant,
to the shareholders on the books of the company on the 25th instant, and that the
Transfer-books be closed during the said 25th instant, and that the
By order of the Board.

6, Queen-street-place, London, 22nd September, 1875.

THE WESTERN ANDES MINING COMPANY

At a MEETING held at the office of the Company on the 23rd inst., it was resolved that out of the profits of the mine for the year ending 20th April last a FURTHER DIVIDEND be DECLARED at the rate of EIGHT PER CENT. PER ANNUM, making, together with the guaranteed dividend of 12 per cent. already paid, a TOTAL DIVIDEND OF TWENTY FER CENT. for the year, and that out of the surplus profits a sum of £4000 be placed to the credit of the reserve fund, making a total of £8000, and the balance be carried forward to profit and loss.

nd loss.

Notice is hereby given, that the warrants for the additional dividend of 8 per ent. will be ready on the 30th,

By order,

T. JERVIS, Secretary.

3, King-street, Cheapside, 24th September.

ANTIOQUIA (FRONTINO) COMPANY (LIMITED).

Notice is hereby given, that the next ORDINARY MESTING of the shareholders of this company will be HELD at the Oity Terminus Hotel, Cannonstreet, in the City of London, on THURSDAY, the 7th day of October, 1876, at half past Two o'clock P.M., for the following purposes:—
To receive the report of the directors; the andited statement of accounts to the 31st March, 1875; the election of a director and auditors; and for other business.

By order, GEORGE H. CAEDOZO, Secretary.

15, New Broad-street, London, E.O., September 21, 1875.

MINING COMPANY (LIMITED).

Notice is hereby given, that the next ORDINARY MEETING of the Shareholders of this company will be HELD at the City Terminus Hotel, Cannon street, in the City of London, on THURBDAY, the 7th day of October, 1875, at One o'clock P.M., for the following purposes: — To receive the report of the directors; the audited statement of account to the 31st December, 1874; the election of a director and auditor; and for other business.

GEORGE H. CARDOZO, Secretary.

15, New Broad-street, London, E.C., Sept. 21, 1875. THE FRONTINO AND BOLIVIA (SOUTH AMERICAN) GOLD

Notices to Correspondents.

Much inconvenience having arisen in consequence of several of the Numbers during the past year being out of print, we recommend that the Journal should be filed on receipt; it then forms an accumulating useful work of reference.

INCRUSTATION FROM WATER.—Could any correspondent kindly inform me through the Jour: all whether the largest formation of incrustation from hot water takes place above or below boiling point, or, to use more homely language, would water fur in using more under 212° than above?—A. H. B.

place above or below boiling point, or, to use more inomey imagage, wouls water fur in using more under 12x than above?—A. H. B.

ORE BUYING.—Can any of your readers enlighten me as to the rules and regulations adopted by smelters and ore buyers in purchasing? What are the return charges? Whether the amounts offered include freight, and whether anyone is allowed to tender? Referring to your last week's issue, I see Cape ores producing 22 per cent. realise 18t. and 171. 17s., and 23½ per cent., 18t. 14s. and 18t. 19s., and many other little differences to be seen on studying the list. What makes the seeming irregularity in price offered for the same quality orse?—Cwm Eirt.—[The returning charge actually made at present is from 1t. to 1t. 2s., though nominally 2t. 5s. The produces given are those estimated by the sellers, and frequently differ from those obtained by the smelters. The difference of price for ores of similar produce for copper arises from additions or deductions being made to compensate for other ingredients present or absent. If we have a compensate for the result of the letter in last week's Journal, says that he has an utter dislike to answer anonymous correspondents, or he would have replied to the communication of "Adventurer." Undoubtedly, letters having a personal character should be signed by the writer, as a guarantee of his position and good faith; and if "Adventurer" will write to Captain Rich, or to the Journal, in such form, his letter will be readily replied to.

The Rock-Drill And Hand-Boring.—I should be glad if you would kindly the size of the fournal captain the communication of the state of the readily replied to.

THE ROCK-DRILL AND HAND-BORING.—I should be glad if you would kindly point out in this week's Journal that the word misprinted making a "curb," in my letter, printed in last week's Bupplement, should have been making a "cut."—J. GARLAND: Gunnitake, Sept. 22.

THE DIVINING ROD.—The letters of "Scrutator," Capt. Edwd. Skewes, Mr. Spargo, "Miner," &c., shall appear in next week's Journal.

THE SUPPLEMENTARY SHEET.—We have received occasional complaints, and of late a good many, that the Journal is delivered by country booksellers without the Supplement. Subscribers would oblige us by demanding that the paper should be handed to them complete, as every Journal is accompanied by the Supplement when it leaves our office, and the fault of omission must rest with the country bookseller or their London agent.

BHARE DEALING.—We never interfere in the sale or purchase of shares; neither do we recommend any particular mine for investment or speculation, or broken through whom business should be transacted. The addresses of most of the latter appear in our advertising columns.

IMPORTANT NOTICE—REDUCTION OF POSTAGE ON THE "MINING JOURNAL."—In consequence of the new POSTAL CONVENTION, which came into operation on July 1, the postage of the Mining Journal to many countries will be reduced to one fourth. Henceforth the subscription will be 14. 10s. 4d. per annum (39 frs.), postage included, for the following countries. The amount will, if desired, be collected at the subscriptor's residence at the end of each year. The subscription continues until countermanded:—Austria, France, Beigium, Denmark (including Lociand and the Farce Islands). Egypt, Germany, Gibrallar, Greece, Heligoland, Italy, Luxemburg, Netherlands, Norway, Portugal (including Madeira and the Azores), Roumania, Russia, Servia, Sweden, Switzerland, United States, Malta, Turkey, Morocco, Tunis, and the Canary Islands. Spain 11. 19s. (50 frs.)

THE MINING JOURNAL,

Kailway and Commercial Gazette.

LONDON, SEPTEMBER 25, 1875.

THE FIRE IN THE DONNINGTON WOOD COLLIERY.

The inquest in this case has been completed, and we are now in possession of pretty nearly all the information which is likely to be forthcoming. Anyway, the evidence brought before the jury was enough to justify them in recording a verdict. The facts adduced are fully confirmatory of the views which we ventured to express last week upon the cause of the accident. Mr. A. H. MAURICE, the manager of the Prior's Lea portion of the Lilleshall Company's property, when near to the end of the bratticing in the pit on the day of the explosion, and after it had occurred, had noticed a slight blue flame, evidently carbonic oxide, playing about the light of his lamp. flame, evidently carbonic oxide, playing about the light of his lamp, which was extinguished by foul air upon being opened in the inset. Mr. Charles Green, the manager of the Donnington Wood set. Mr. CHARLES GREEN, the manager of the Donnington Wood pits, deposed that there were some, but not a great quantity, iron pyrites in the double coal, which had not been gotten for 40 years. Mr. S. B. GILROY, the Assistant Inspector of Mines for the district, gave it as his opinion that there had been no explosion, but that the deceased men came by their deaths through inhaling smoke emitted from fire in the double coal, where the roof was broken down in the air-way. Poisonous gases, probably carbonic oxide or carbonic acid gas, or it may be both, had escaped from the old workings. The cause of the fire was spontaneous combustion, consequent upon pyrites or slack in the double coal workings having been formented and fanned into flame by sudder connection with been fomented and fanned into flame by sudden connection with the yard coal. Mr. T. WYNNE, the Government Inspector, con-curred, adding that the men had apparently scented danger after they had traversed some distance along the gateway, and that they were overtaken and instantly killed by poisonous vapours whilst

attempting to escape them. The cause of the accident appears, therefore, to be plain enough. Pit rubbish had been allowed to accumulate in old workings, and had there become fired by the admission of air—it may have been by a crack in the roof, or it may have been by a fall of roof. This might have been discovered had it not been for the unfortunate cir-cumstance that sinkers had been at work in the downcast shaft on the previous night; for there was more smoke than usual coming up the pit before the men went down. That smoke was attributed to the expectation that the sinkers had left a fire burning in the shaft. And there seems to have been much laxity on the part of the men about the pit top in the matter of signalling. It was almost taken for granted that the first half-dozen men got down safely, no taken for granted that the first half-dozen men got down safely, no one being able to show that there had been any signal that they had descended all right, yet the second band, numbering five men, were let down, and these were even followed by the lowering of a horse. There was not only evidence of this negative character, but there was almost positive evidence that no signal had been received. All the witnesses who could testify to the signalling, and who were questioned upon it, stated that they saw no signal, although the signalling apparatus was in perfect working order. There should not, therefore, be surprise that the Coroner's jury, whilst they pronounced that the fire was caused by accident, expressed an opinion signaring apparatus was in periect working order. There should not, therefore, be surprise that the Coroner's jury, whilst they pronounced that the fire was caused by accident, expressed an opinion that at least five of the men might have been saved if the people on the pit bank had done their duty, and not have sent down the second lot of workers until a signal had been received that the first lot were safe.

The only hope that we can extract from this chapter of accidents is that it will lead to vigilance throughout all coal mining districts where the new are under old workings. Though as to the Shropshire coal field such an accident as that we have just described is unusual, yet it is not exceptional. At the inquest an old collier testified that formerly it had been the custom to "shoot slack into the gob, and that about 26 years ago he had known of a fire in the same coal field in the upper gob caused through hotness of earth. aame coal field in the upper gob caused through hotness of earth." This is the way a working miner expresses himself when he wants to have it understood that there has been spontaneous combustion. The same state of facts spoken to by an educated mine manager like Mr. MAURICE is phrased accurately. It was that gentleman's testimony that he had knowledge of cases of spontaneous combustion in the Shropshire coal field. As we last week remarked, the shooting of slack into the gob is now but rarely practised. Inasmuch as this is the case, we may assume with confidence that the future will reveal less danger from this source than the past and the present. The Donnington fire should likewise cause an increase of rigid adherence to duty on the part of men who are stationed upon present. The Donnington fire should likewise cause on middle prigid adherence to duty on the part of men who are stationed upon the bank for the express purpose of lowering men safely. If the jury have been justified in the rider to their verdict certainly the jury have been justified in the rider to their verdict certainly the jury have been justified in the rider to their verdict certainly the jury have been justified in the rider to their verdict certainly the jury have been justified in the proposed manlury have been justified in the riter to their vertilet certainly income ban':-man, if not the engineman, also has narrowly escaped man-slau_uter, and if either yet somes off unscathed he will, in our

view, have been exceedingly fortunate. As to the numerous de-pendants upon the poor men who have been killed, it is very cheer-ing to note the warm-hearted way in which their case appears to have been taken up by Mr. LLOYD, the general manager of the company, and the people under him. That Earl Granville should encourage this sort of thing—if not, indeed, suggest it—is precisely what we should have expected from one so amiable. His lordship's example will, we trust, have its effect in other directions.

COAL IN NORWAY.

A few years back the discovery of a small coal basin, pertaining to the Oolitic period, and containing workable beds of coal, was announced as having been made in Andoien, one of the Lofoten Islands, on the north-west coast of Norway, by Mr. Tellef Dahll, a well-known geologist, and one of the Inspectors in Chief of Mines to well-known geologist, and one of the Inspectors in Chief of Mines to the Norwegian Government, at the expense of which several trial bore-holes were subsequently sunk, which have resulted in proving at a depth of 260 ft. below the surface two beds of coal, respectively 20 and 16 in. in thickness, which can be worked together in the same headings, as they are separated from one another by a parting of only 3 in. in thickness, and have a good roof of coarse-grained sandstone. According to a chemical analysis made by Prof. Waage, of the University of Christiana, the composition of the coal is as follows:—Carbon. 506; hydrogen, 53; nitrogen, 05; oxygen, 118; ash, 318=1000. And as 11b. of coal was found when distilled to afford 2½ cubic feet of gas, having an illuminating power equal to 228 candles, it is considered that in this respect it stands as 114 to 151 when compared with the Boghead coal.

The coal deposit pertains to the Norwegian Government, which

The coal deposit pertains to the Norwegian Government, which has recently made public its intention to let out the right of working it for a term of 50 years on easy conditions, and now invites tenders being sent in before the end of the present year, stating the amount of royalty offered by intending lessee, and the security which can be given for the fulfilment of the terms of lease, which, as well as further information regarding the deposite themselves as well as further information regarding the deposits themselves, can be obtained on application to the Minister of the Interior in Christiana, or to Bergmester J. Dahll, Krageroc, Norway.

THE WORKING OF BLAST-FURNACES.

Once again we are supplied with painful evidence of the difficulty which the managers of blast-furnaces experience in carrying on their which the managers of blast-furnaces experience in carrying on their operations without now and again losing some of their workpeople. Blast-furnace managers declare that it is impossible to so work their furnaces as to secure the steady, regular smelting of the ore, so that the contents operated upon by the blast shall softly drop down its molten metal, leaving only the scoria to smoothly follow. The contents will sometimes scaffold, and come down with a rush. In its descent some of the half-melted stuff lodges upon a tuyere, and burning it through lets out the water. Steam generates, and a further fall of the contents brings about an explosion—it may be when the furnace is full, or it may be, as is more frequently the case, soon furnace is full, or it may be, as is more frequently the case, soon after the furnace has been tapped. It was soon after the tapping of one of the four furnaces at Spring Vale, near Wolverhampton, owned by Mr. ALFRED HICKMAN, that an accident of the class we have here described took, lace at an early hour on Saturday morning, and led to the death by Saturday night of all the four workpeople who at the time were reasond in front of the furnace which can the

led to the death by Saturday night of all the four workpeople who at the time were engaged in front of the furnace raking out the cinder, and preparing for the next charge.

The importance of securing the even smelting of the contents of a furnace has led to the belief by some people that the tuyeres can be made of a metal more resistant of the action of half smelted mineral when lodged upon it, and kept under the influence of a strong blast, than boiler-plate iron, which is mostly used in the making of tuyeres. Some furnace managers believe that they have found nothing superior to first-class boiler-plate clare that they have found nothing superior to first-class boiler-plate. found such a metal, others, after trying numerous combinations, declare that they have found nothing superior to first-class boiler-plate iron, that neither copper, bell-metal, nor mixed metal are superior. This is the experience of Mr. A. HICKMAN and his manager. At the inquest, on Tuesday, upon the deceased Mr. HICKMAN so testified. That he had not been chary in testing newly-invented tuyeres would appear from the assurance which he gave that he has been trying to secure the very best tuyeres all his life, and that even the day before the accident five newly-invented tuyeres were being tried in the furnace which had exploded. And that he has not been very unsuccessful in the use of tuyeres made of best boiler-plates would appear from the fact that this is the first explosion which he has appear from the fact that this is the first explosion which he has and for eight years.

The making of our iron as well as the getting of our coal should

be conducted with growing safety as our knowledge of the pure science of ironmaking and of mining increases. It is, therefore, with some pain that we have to record that means have not yet been devised whereby such an accident as that which has just oc-curred in connection with the ironmaking of South Staffordshire can be avoided. It is lamentable that men are compelled to sit down with the sense of inability to help themselves in such a matter. Ironmasters who believe that they have been more successful than their neighbours in overcoming the difficulties to which we here advert, should at once make their success widely known.

THE AMERICAN DEMAND FOR OUR IRON.

As the collapse of the American demand for our railway iron is just now one of the most pressing trade questions of the day, we may be pardoned for again recurring to it. The better class of American railroad bonds, such as the Illinois Central, the Central Pacific, the Union Pacific, the Philadelphia and Reading, the Pensylvania, the New York Central, and the Lehigh Valley have all been hardening in price of late, so that it must be admitted that American railroad credit has acquired additional strength. It is true that about \$250,000,000 of preparature railroad care still in default can railroad credit has acquired additional strength. It is true that about \$250,000,000 of premature railroad bonds are still in default with their interest, and this fact, no doubt, has a tendency to damage the American railroad interest generally; but the securities of all the well-established railroad companies of the United States have very greatly gained in credit and value during the last few months. It can scarcely be said, then, that we have lost the American market for our milway iron because the American railroad interest leaks. for our railway iron because the American railroad interest lacks credit and strength. As regards premature, bogus, worthless Ame-rican railroads, it is abundantly clear that we are quite as well without their dubious patronage; but the companies whose custom is worth having are all in pretty good financial plight, and we can only attribute the loss of their orders to the fact that they have become too strong for us, and that they can obtain all the rails and other descriptions of iron which they require in the United States themselves. This is the great difficulty against which our industrials have to contend, and it is very problematical whether the difficulty will ever again be completely removed. The great wars in which the Emperor NAPOLEON I. was so fond of engaging closed the West Indies against the French in the matter of their sugar supply; but this circumstance stimulated the inventive faculties of the French to such an extent that they soon became independent of English sugar, and so it has been with the supply of English iron to the Americans. As soon as English rails rose to a severe price the Ame

Americans. As soon as English rails rose to a severe price the Americans began to cast about to make more rails for themselves, and as they have plenty of ironstone and plenty of coal they have not found it very difficult to accomplish the object they had in view.

The drift of our argument will be seen to be that it will no longer do to plead the JAY COOKE panic of two years as an excuse for the loss of our American iron connection. The real difficulty is the vast development of American metallurgy, which will probably continue to make progress until a very substantial reduction takes place in the price of iron on this side of the Atlantic. It is true that English iron rate, have become much more reasonable than they were lish iron rates have become much more reasonable than they were a few months since; still even now iron is dearer than it was in the good old times, when we had an apparently well secured footing upon the American market. The difficulty is, of course, to bring iron down to the old prices. The English ironworker is very reluctant to come back to the wages for which he was once content to toil. Coal is sensibly cheaper than it recently was, but even now it is comparatively dear. We may all, then, recognize readily enough

the importance and necessity of producing iron upon comparatively cheap conditions, but the difficulty is how to secure and realise those conditions.

cheap conditions, but the dimently is now to secure and realise those conditions.

Not only are American railroad companies in a position now to secure rails in localities in the United States where ten years since they were utterly unobtainable, but they are also beginning to mannfacture rails upon their own account. Thus we learn this week from Philadelphia that Lieut.-General Pramberton, who 10 or 11 years since was fighting with the Confederates, has now entered the employment of the Pennsylvania Railroad Company. The General has not exactly beaten his sword into a ploughshare, but he is applying his energies to the establishment of ironworks for the Pennsylvania Railroad Company at Perth Amboy, New Jersey. We also learn that the first heat of steel has been made at the John Edgar Thomson Steelworks, at Braddocks, Pennsylvania. Mr. Thomson was for a long series of years the respected President of the Pennsylvania Railroad. The Pennsylvania Railroad. The Pennsylvania Railroad is a concern of the highest credit; its credit is, indeed, so high that it will not buy rails from American iron manufacturers, much less from British rolling-mills.

THE QUICKSILVER TRADE.

The constant development of gold and silver mines in the Western The constant development of gold and silver mines in the Western States of America has increased the consumption of quicksilver so materially that the demand is considerably in excess of the supply, and prices have consequently been driven up to an extent which seriously affects the mining interests. The natural effect has been to spur on American prospectors to use their utmost exertion to discover quicksilver locations, and the results obtained in every quicksilver property which has been developed have been such as to prove that very regular profits can be relied upon when ordinary judgment is exercised in the selection. It is essential for the interest of those engaged in mining for the precious metals that the price of mercury should be kept as low as possible; and inasmuch as there are very many properties which could be made to yield enormose profits with low prices, all projects for the developments of properties of this class should receive the utmost encouragement from mining profits with low prices, all projects for the developments of properties of this class should receive the utmost encouragement from mining capitalists generally. A recent report from San Francisco remarks that ten years ago the world's principal supply of quicksilver was obtained from Almaden, Idria, Huancavelica, and New Almaden, which yielded together about 3000 tons of mercury. The average price in London was then & per ton, or 2s. 2d. per pound, and in one year 1300 tons were produced. That good profits could be realised at that price may be judged of from the fact that the actual cost of reduction varies from 1s, to 1s. 6d. per lb., the average certainly not exceeding 1s. 3d. per lb. exceeding 1s, 3d, per lb,

reduction varies from 1s, to 1s. 6d. per 1b., the average certainly not exceeding 1s. 3d. per lb.

The supervention of a period of depression in general mining enterprise led to a diminution in the demand for quicksilver, in consequence of which the production of quicksilver was kept down. About two years since, however, a notable revival took place, and the demand has been steadily increasing ever since. For some years past the New Idria and the Redington properties have produced considerable quantities, and at present the Redington property—lost to British capitalists a short time since through disputes amongs those concerned in the promotion of the company—is yielding 800 flasks per month, or 750,000 lbs. per year, and giving the shareholders large and frequent dividends. The total yield of quicksilver on the Pacific coast is now about 1400 tons a-year, and the best authorities are of opinion that if 2000 tons a-year were reduced a ready market would be found for it, and that the miners being ensured a sufficiency of mercury at 3s. per lb., it would give such an impetus to mining for the precious metals that a constant demand at that price could be relied upon, however much the yield of mercury might be increased. the precious metals that a constant demand at that price could be relied upon, however much the yield of mercury might be increased. Referring to American mining generally, it may be remarked with regard to mercury that the supply is now only half the demand, and that demand for mining purposes in California alone is continually

Some interesting particulars and statistics are given by Mr. Hubert Some interesting paradulars and statistics are given by Mr. Hoort Bankart, in a report upon the Stayton Quicksilver Mines, now about to be transferred to a London company. He remarks that Peru has for many years past closed her mines, through the principal one is now likely to be re-opened under English auspices; and Mexico in like manner has ceased to work her mines, and so great has been the want of quicksilver there that last year their Congress are propagated a large sum to assist and encourage the mines for appropriated a large sum to assist and encourage the miners to re-open their works. No doubt in both these countries the intense heat of the climate has had a great deal to do with closing the mines, by rendering the occupation a more deadly one than in countries enjoy-ing a more moderate temperature. In all places where it is worked it is sufficiently injurious to life, but how much more fatal must it it is sufficiently injurious to life, but how much more fatal must it be where great heat pervails, and prejudice and ignorance alike exet their influence to prevent the introduction of improvements tending to the prevention of such disastrous results to human life, with, moreover, its consequent waste of metal. California really promises to be the principal quicksilver-producing country in the immediate future, for although Mexico has recently shown some vitality there is no probability, until it be incorporated into the United States, of equalling the demand, and although Japan, Borneo, and China produce a fair quantity of mercury, yet the latter country imports largely from California. Mr. Bankart mentions that it is a metal that rapidly exporates above a very low temperature if exposed, and that from California. Mr. Bankart mentions that it is a metal that rapidly evaporates above a very low temperature if exposed, and that the amount lost every month in the processof reducing the precious metals would seem to the uninitiated to be fabulous; yet in Washee. Virginia City, the great silver centre of Nevada, it amounts to about 2000 flasks per month, being four-fifths of the monthly production of the State of California. He estimates that 10,000 flasks per month could find a ready sale on the West Coast of America.

ort the State of California. He estimates that 10,000 flasks per mona could find a ready sale on the West Coast of America.

The cost of mining and reducing cinnabar, the ore of quicksilver, is very small as compared with many other classes of mineral, and it is estimated that in the Stayton property it will not exceed 64, per lb. The mines themselves are situated in San Benito and Mered counties, California, about 93 miles from San Francisco, being on the coast range, and in the same metalliferous belt as the famous New Almaden and New Idria Mines, lying about midway between the two. The Stayton property, consisting of about 1250 acres, contains a ranch and 11 distinct and separate locations, all bearing different names, and worked to more or less extent, a United States patent covering the whole. The mines were commenced in 1872, and a very large amount of money has since been expended on dead work. The ore averages 6 per cent. for mercury, and a 7-ft. retort running all last year turned out about 45 flasks per month; the profit on this has been expended in further developing the mines. Mr. Bantar proposes to erect three 20-ton furnaces of improved construction, and assuming the ore to yield but 40 lbs. to the ton, and estimating the cost of mining and reducing at 1s. 6d. instead of 6d. the profit would still be nearly 60.0000, per annum, or 40 per cent. upon the would still be nearly 60.000% per annum, or 40 per cent. upon the entire capital of the company; every 1 per cent. extra of metal in wise contains antimony as grey ore and oxide, in conjunction with the cinnabar, which would be sold at a large profit—say, 12. to 15t. per ton, and from 300 to 400 tons per month could be placed. The progress of the enterprise will be watched with much interest, and the results obtained will be duly recorded from time to time in the columns of the June 1. the ore would add about 50,000% to the the columns of the Journ !.

THE EXPORT COAL TRADE.—The exports of coal from the United THE EXPORT COAL TRADE.—The exports of coal from the United Kingdom in August amounted to 1.534.826 tons, as compared with 1.436,421 tons in August, 1874, and 1.109,039 tons in August, 1878. In these totals the exports to Germany figured for 276,721 tons, 243,164 tons, and 181,869 tons respectively; and those to France for 249,960 tons, 202,930 tons, and 202,816 tons respectively. The exports also largely increased in August to Russia, Sweden and Norway, Holland, and Spain. The aggregate exports of coal from the United Kingdom in the first eight months of this year were 9.277,286 tons, as compared with 8,710,616 tons in the corresponding period of 1874, and 8,309,571 tons in the corresponding period of 1873. In these totals the exports to Germany figured for 1,418,191 tons. these totals the exports to Germany figured for 1,418,191 tots; 1,339,200 tons, and 1,077,680 tons; and those to France for 1,782,785 tons, 1,531,269 tons, and 1,58,710 ton; re-pectively, the export have increased this year to Sweden and Norway, Denmark, Germany, Holland, France, Spain, and Italy; but they have descend

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COAL IN INDIA.—The newly-discovered coal fields at Warora, from which the Great Indian Peninsula line hopes to draw its future supply, are promising well. According to the estimate of Mr. Walter Mas, the mining engineer employed by Government, 20,000,000 tons may be safely reckoned upon from the beds already proved to exist at this place, while he believes that a much larger quantity will hereafter be found in the southern portion of the field.

the Cape Copper Company.—The property of this company being unquestionably the richest copper mine at present being worked by English capital, the vividly written description of a visit to the Ookiep and other mines, published in the Supplement to this day's Journal, will be read with general interest. It is very truly marked that when the Cape Copper Company was formed the riches of the mine were not ascertained, or the price would have been much higher than it was, for now, at a depth of 80 fms., and with an immensely increased area of copper-producing ground, it not only as yet shows no sign of exhaustion, but it is actually incher than ever, having untouched reserves of the very richest ores in the mine, calculated at not less than 40,000 tons in sight. It seems that the mine staff consists not only of Cornish and German miners, but Namaquas from princes and princesses downward, Damaras, Ovampos, Coraduas, Bushmen, East Coast negroes, Malagahes, &c., and that the employment given at the mines have prevented vast members of the aborigines from perishing by famine.

The Cape Copper mine at present extended to the sum of the f careful consideration.

Science Exhibitions — The Science and Art Department of the Committee of Council on Education, South Kensington, publish the following list of candidates who have been successful in obtaining Royal Exhibitions of 50L, per aunum each for three years, and free simission to the course of instruction at the following institutions:

1. The Royal School of Mines, Jermyn-street, London—John Gray, age 21, engineer, of Strichen, N.B.; Frederick G. Mills, 14, student, London; Thomas E. Holgate, 20, farmer, Blackburn.—2. The Royal College of Science, Dublin—C. C. Hutchinson, age 21, engineer, of Leeds; Henry Hatfield, 20, student, Stockport; Thomas Whittaker, 18, derk, Accrington. 18, clerk, Accrington.

leeds; Henry Hatheld, 20, student, Stockport; Thomas Whittaker, 18, clerk, Accrington.

Further Difficulties in The Warwickshire Field.—Now that the strike of the colliers in Warwickshire is at an end, and the men are prepared to resume work as fast as employment can be found for them, pending arbitration, there is a difficulty with the stone miners in that part of the kingdom. The men are opposed to the contract system; they desire to work the pits in companies, to come themselves into immediate business relation with the proprietors of the pits, and not serve under a contractor. The difficulty it was thought had been overcome, and that the miners were prepared to resume under the contractors. The needed preparations were made by the contractors, but it oozed out that the miners intended only to work under the contractors whilst these latter were getting again into order the roadways which had been damaged during the strike. Upon this the contractors refused to re-open the workings unless at the cost of the pit proprietors. The proprietors on their part are reluctant to come to terms either with their contractors for the continuance of the old system, or with the men for the adoption of the new. As to the contractors, they have weakened their influence with the pit owners by having made common cause with the miners during the strike, and subscribing to their Union; and as to the men working in companies, whatever may be possible in this way by-and-bye when the men are better educated, the system, the masters believe, is not practicable now. However, a meeting of the mine-owners is about to be held, at which the difficulty, which is a serious one, will be considered. The Warwickshire stone is not only consumed in Warwickshire furnaces, but it is likewise largely sold in Staffordshire and other neighbouring districts, and it is of an excellent quality. The long strike in Warwickshire tone is not only consumed in Warwickshire furnaces, but it is likewise largely sold in Staffordshire and other neighbouring distri

Exports of Coal.—By the Monthly Circular of Messrs. Higginson, Liverpool, we learn that the quantity of coal exported in August was 1,419,885 tons, against 1,268,930 tons in the corresponding month of 1874, showing an increase of 150,955 tons. The particulars are—from the Northern Ports, 697,852 tons; Yorkshire, 95,189 tons; London, 5504 tons; Liverpool, 33,185 tons; Severn Ports, 403,239 tons; and Scotch Ports, 184,916 tons. The increase was—Northern Ports, 102,966 tons; Yorkshire, 2296 tons; London, 1583 tons; Severn Ports, 49,241 tons; Scotch Ports, 42,969 tons. The decrease—Liverpool, 47,500 tons. Total, Jan. to Aug., 8,630,238 tons; corresponding month last year, 8,203,479 tons: increase, 426,759 tons.

TRADE OF THE TYNE AND WEAR.

Sept. 23.—The shipments of steam and house coals have continued on a good scale. The gas coal trade has improved a little also. The demand for manufacturing coal continues very limited, and prices are still drooping. The prices of best steam and house coals are pretty well kept up, but the price of all other kinds is extremely low, and the stocks are in many cases getting large. The demand for coke is very sluggish, and prices are falling. The shipping trade is very brisk, both coastwise and foreign, but the iron shipbuilders and the engineers of the district are badly supplied with orders. There is no improvement in the finished iron trade, and rails have new touched the lowest point; heavy rails can in some cases be had at trates something under 7t. per ton, which of course leaves margin for profit.

In it is in improvement in the finished iron trade, and rails have seen chosed the howest point; heavy failed not more cases behald the something under 71, per ton, which of course leaves margin the same than the production of the local parts of the same and the same than the production of the local parts of the same and the production of the local parts of the same and the production of the local parts of the same and the production of the local parts of the same and the production of the local parts of the same and the production of the local parts of the same and the production of the local parts of the same and the production of the local parts of the same and the local parts of the l

favourable terms as the old-established engineers of the district, some part of the content of the company was possess for the company was possess for the company was also insufficient at the commencement, and a large sum was raised on debenture bonds was bound to be paid, whother profits were earned or not. The works are, we believe, in a high state of efficiency at the Great Indian Peninsula line hopes to draw its future supply, are promising well. According to the estimate of Mr. Walter less the mining engineer employed by Government, 20,000,000 tons may be safely reckoned upon from the beds already proved to exist this place, while he believes that a much larger quantity will

REPORT FROM CORNWALL.

and that the works will be earlied on, as there is no doubt whatever that ultimately good profits would be realised.

REPORT FROM CORNWALL

**Sept. 23.—The fact that for some days past there had been, quite independently of any official advance in the standard, considerably higher rates paid for black tin by the smelters than those formerly quoted, could not fail to have its influence upon a market so sensitive as that of mining shares, and especially of shares in tin mines. Hence the activity which has so generally prevailed. Moreover, it was felt that there was good reason to anticipate still better things in the future. Official quotations are not ignored without substantial reason, and very few people, in Cornwall at all events, feel any doubt that just for the present the demand is in advance of the supply, and that it devolves upon Cornwall and not upon Australis to the arrangements for the great trial of boring-machines, which of the arrangements for the great trial of boring-machines, which of the arrangements for the great trial of boring-machines, which of the arrangements for the great trial of boring-machines, which of the arrangements for the great trial of boring-machines, which of the arrangements for the great trial of boring-machines, which of the arrangements for the great trial of boring-machines, which of the arrangements is a squite beyond a doubt that the remaining 3001, will be raised, and the total sum of 5001, made up. To even into the trial shall be thorough and the results of real value, and what with the trial shall be thorough and the results of real value, and what with the skill of those who will be called in to determine alike the conditions and the work, the competition will be of real practical utility. There is already abundant evidence that there will be plenty of competition. The names of several machines already in the field have been mentioned, and there are several new ventures which have yet to make their mark, and which, in all probability will enter. Probably among

REPORT FROM MONMOUTHSHIRE AND SOUTH WALES.

REPORT FROM MONMOUTHSHIRE AND SOUTH WALES.

Sept. 23.—There appears again to be a little brightening in the Iron Trade of this district, which, it is needless to say, is very welcome, seeing how very dull things have been for months. There has been a slight augmentation of rail orders, and some of the works are consequently in better employ than they have been before for the last 12 months. But trade is still very dull compared with what it previously was, and it is doubtful whether it will ever regain its position, though there are some sanguine that it will. It is pleasing to find that arrangements are being made to carry on the Aberdare and Plymouth Works, and that Mr. R. Fothergill, M.P.. will still be a leading spirit in the firm, and another gratifying piece of news to the people of Aberdare is that the Abernant Works are to be set in motion again. That large establishment has been at a standstill for a long time, and the locality must have suffered very much in consequence. The New Panteg Steelworks are now pretty nearly completed, and if trade will allow they will shortly be in full work. This will be a great acquisition to the port and neighbourhood as a centre of industry. The total quantity of iron cleared from the local ports during August was 23,672 tons, as against 18,088 tons in July. Cardiff exported 12,087 tons; Newport, 10,868 tons; and Swansea, 745 tons. At the tin-plate works matters still remain much about the same, with but little prospect of improvement.

extension in the production of the district has been greater than the increase in the consumption, and, therefore, though the present demand may appear great as compared with the past, still it is not sufficient to keep all the collieries in full work. It augurs well for the district, however, to see that an increase of supply creates an increase of demand, though in a lesser proportion.

The Vivian-Macdonald difficulty, as it is familiarly termed in the district, has continued to take up a good deal of the time and attention of the men, but it seems near a solution at last. Mr. Hussey Vivian, M.P., is going to urge the masters to accept his retirement from the Conciliation Board, and to appoint another member of the Association in his stead. As he thinks that the objectionable utterances of Mr. Macdonald applied to him more particularly than to any of the other masters they might do this, and allow Mr. Macdonald to remain on the board as one of the representatives of the men, ignoring the man, and regarding him only as the representative. The votes of the men when canvassed were found to be overwhelmingly in favour of retaining Mr. Macdonald on the board.

REPORT FROM NORTH AND SOUTH STAFFORDSHIRE.

REPORT FROM NORTH AND SOUTH STAFFORDSHIRE.

Sept. 22.—The South Staffordshire Iron Trade is, on the whole, a degree steadier this week in the finished department, but pigs are languid, and without alteration. The sheet rolling mills are in very fair production, and some tolerable orders for good branded bars have recently come to band. The selling rates for common (unmarked) bars range from 7l. 15s. to 8l. 5s. per ton; common sheets (singles), are 10l. 15s. to 11l.; and plates (ordinary), are 10l. 10s. per ton. Prices of branded iron are steady, on the basis of 10l. for bars. In the pig-iron department there is very little doing, and prices remain at 2l. 15s. for common cinder, and 4l. 15s. for best native allmine, of hot-air make. Cold-air pig of best make, for foundry purposes, is firm at 6l. per ton. Barrow hematite pigs are arriving in this district in considerable quantities, and compete somewhat severely with local makes of corresponding quality.

The South Staffordshire Coal Trade must again be reported steadier as regards the better qualities, but common coal and slack are without change. Thick coal for furnace purposes is selling on the Dudley side of the district at 11s. per ton, and other qualities are in the usual proportion to that rate. Common thin coal is at current prices, and, under existing cost of raising, by no means productive to the mineowners, and it is not improbable that some of the collieries will shortly cease operations for a time.

Messrs. Groucutt and Sons have, we learn, finally determined to close their Moxley and Lunt Collieries owing to the increasing difficulty they experience in keeping down the water by their own unaided efforts. The stoppage of several other pumping-engines in the neighbourhood renders it necessary for them, in order to keep their own mines free from water, to effect the drainage of a considerable mineral area extending from Moxley to Darlaston.

The following were among to-day's quotations on the Birmingham Stock Exchange:—Cannock and Huntington Colliery,

Both in North and South Staffordshire there is a marked absence of united action among the ironmasters with regard to the rate of wages, numbers of them having hesitated to enforce the reduction expressly agreed to at the Birmingham meeting three weeks ago. It is somewhat singular that the associations both of the iron-masters and of the iron-workers in this district are just now in a state of complete disorganisation.

masters and of the ironworkers in this district are just now in a state of complete disorganisation.

North Staffordshire Coal Field.—The paper prepared by Mr. C. J. Homer for the Iron and Steel Institute meeting at Manchester, which was not read owing to want of time, contained a quantity of valuable information, compiled by a high authority, on one of the best of our coal districts. Mr. Homer said this might be termed the central coal field of the Midland Counties, having the Cheshire and Lancashire fields on the north, the Derbyshire and Nottinghamshire on the east, the Liecestershire and Warwickshire on the south, and the Denbighshire and Flintshire on the west; and taking the trough of the coal field at Tunstall as the centre, it was 150 miles north of London, 40 north of Birmingham, 40 north of Derby, 35 south of Manchester, 40 south of Liverpool, 30 south of Runcorn (the nearest shipping port), and 40 miles north east of Shrewbury. The dip in the centre rises to the north, east, and west from an almost horizontal position, gradually in a curvilinear form to 18 in. to the yard, the outcrops being very regular on the eastern portion, and resting on the millstone grif formation; whilst on the western side, after passing over the anticlinal axis, it abruptly terminates by coming in contact with the red sandstone formation of Cheshire. Mr. Homer thinks the coal continues underneath this sandstone, but its depth remains to be proved. He describes the operations at Lightwood and Great Fenton, out-ide what until lately was considered the western boundary of the North Staffordshire coalfield, at the first of which places coal has been found 15 in. thick at a depth of 125\text{yards}, 3 ft. thick at 178 yards, and 13 ft. at 248 yards, and ironstone 6 ft. thick at 200 yards; and at the latter nine distinct seams of coal and ironstone of 3 feet thick and upwards have been found in sinking 339 yards. After an exhaustive account of the different seams throughout the North Staffordshire district, of which he sections a

REPORT FROM DERBYSHIRE AND YORKSHIRE.

REPORT FROM DERBYSHIRE AND YORKSHIRE.

Sept. 23.—Mining operations in Derbyshire have been more active during the present week than in the previous one, so far at least as the raising of coal is concerned, the production of lead, it may be said, having undergone no change for a considerable time past. No surprise has been felt at the failure of the co-operative company that purchased the Monkwood Colliery, near Chesterfield, who had a loss on the last year's working of 11,000%. It fully bears out what I stated with respect to the Monkwood and other collieries some considerable time since—that having been purchased at a very high figure, when coal was nearly double double the price it now is, they could never pay when it came down to something like what it was in 1871. But there are other collieries in not a much better state than Monkwood, and only require a little time to come down to something like the same level. The South Yorkshire and North Derbyshire Miners' Association have now obtained possession of the Shirland Colliery, near to Alfreton, and under the management,

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ning for could be creased. . Hubert rks that

so great Congress ers to re-ense heat nines, by es enjoy-worked I must it ike exert s tending ife, with, promises nmediate lity there States, of hina pro-ts largely that ra-

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e precious Washoe, s to about roduction per month neral, and exceed 6d. d Merced ing on the nous New tween the contains different tes patent tes patent 872, and a lead work. rt running offt on this

r. Bankart e ore like-ction with say, 124 to be placed. to time in

the United pared with agust, 1673, 76,721 tons, France for y. The exem and North free 9,277,298 ding period f 1873. In 18,191 tons, or 1,752,750

Cert 25, 1875.

annually from South Yorkshire alone. Sinking operations are being pushed forward at several places most actively, so that before long we shall have several new collieries at work.

There is now some prospect of a start being made with the Stephenson Memorial Hall at Chesterfield, which has been before the public for at least two years. The question as to a good site was considered of grave importance; the corporation have offered to give a piece of land, but it was on the confines of the town, and a considerable distance from the railway station. A very eligible piece of ground, however, has been selected, but unless a large addition is made to the subscriptions the building will fall far short of what was originally intended. It appears that the total amount promised is only 4600k, whilst to erect a hall worthy of the object for which it is intended the sum ought to be about 12,000k. Much, however, may yet be done by an energetic canvas, and there is no reason whatever why the Association of Engineers—a very wealthy and liberal body—should not contribute a handsome sum for the erection of a building in memory of one who was the greatest ornament of of a building in memory of one who was the greatest ornament of their profession. The engineers gave Barnsley a statue of the late Joseph Locke, by Baron Marochetti, and there is no reason to suppose that they would not contribute towards a memorial of his

THE SCOTCH MINING SHARE MARKET-WEEKLY REPORT AND LIST OF PRICES.

During the past week there has been more activity in this market

THE SCOTCH MINING SHARE MARKET—WEEKLY
REPORT AND LIST OF PRICES.

During the past week there has been more activity in this market. In shares of fron and cad concerns, Benbar (all puid) is \$\frac{2}{3}\$; and ditto (5l. paid), 24. Marbella, 6d; and Shott's new shares, \$\frac{2}{3}\$—all lower. On the other hand, Monkland (ordinary) have improved 5s. 6d.; Omos and Cieland. \$\frac{1}{3}\$; and Bolckow Vaughan. "A," no less han 2\frac{1}{3}\$. Secrne Ironworks shares (20), paid) have been done as low as 3\frac{3}{3}\$. Cartilif and Swanses is 3 to 3\frac{3}{3}\$. Liyuri, rondi, and Gognore Colleies, \$\frac{1}{3}\$ to \$\frac{1}{3}\$. New Sharbon perfectors and United Bittom Long. Order of the colleies, \$\frac{1}{3}\$ to \$\frac{1}{3}\$. The shares of copper concerns, prices are all higher, and look like still advancing. Denlight Omonols, \$\frac{1}{3}\$ to \$\frac{1}{3}\$. East of \$\frac{1}{3}\$ to \$\frac{1}{3}\$. East of \$\frac{1}{3}\$ to \$\frac{1}{3}\$. In shares of copper concerns, prices are all higher, and look like still advancing. Denlight Omonols, \$\frac{1}{3}\$ to \$\frac{1}{3}\$. In the shares of the shares

done at 57-16ths and 5½, closing at these prices. Scottish Wagon (all paid), 10½ to 10½.

On Wednesday the market was very active. Arniston, 6½ to 6½. Benhar (all paid) done at 10½ and 10 1-16th, with sellers at 10½ over; new shares done at 5. Bolckow, Yaughan A, 47½ to 48. Canadian Copper Pyrites done at 41s. and 40s. 6d. closing 49s. to 40s. 6d. Colorado Terrible Lode, 2½, firm. Emma, 31s. to 52s. 6lasgow Caradon, 27s. to 57s. 6d. Gunnislake (Clitters) in demand, and higher, at 42s. Huntington done at 39s., closing 38s. to 39s. Killifreth, 1½, all buyers. London and Glasgow Engineering done at 52. Laws' Chemical, 7½, sellers. Lochore and Capledrae, 6½ to 6½. Monkland ordinary done at 52s. 6d. and 53s., closing 58 to 54s.; 7 per cent. guaranteed preferences done at 6½. Omoa and Cleland done at 48s., closing 48s. to 47s. Richmonds done at 10½ and 10, closing 9½ to 10; this week's run is announced by telegraph from the mine at 33s, one of the clegram adds—"Furnace working well, blast now good, and mine very much improved; sunk 20 ft. Shotts new shares, 6½ to 6½. Tharais were largely dealt in, opened at 39½, but advanced to 21, and afterwards relapsed to 20½, closing 30½ to 30½; new shares done at 14½, closing 14 to 14½. Young; a Paraffin done at 5½, closing 55-leths to 57-16ths. Scottish Wagon (all paid), 10½ to 10½.

The following are this week's prices of some stocks, shares, &c., occasionally dealt in on this market, but not quoted (with few exceptions) on any of the Scotch Stock Exchanges:—Iron, Steel, and

occasionally dealt in on this market, but not quoted (with few exceptions) on any of the Scotch Stock Exchanges:—Iron, Steel, and Coal Companies: Andrew Knowles and Sons, 22½ to 22½; Bolckow, Vaughan, and Co."B," 41½ to 42½; Britannia Ironworks, 10; Cardiff and Swansea Steam Coal, 3 to 3½; Chapel House Colliery, 3½ to 3½; Great Western Colliery, 9½ to 10½; Leligh and Wilkes Barree per cent. first mortgage, guaranteed by Central Bailroad of New Jersey (U.S.), 89½ to 60½; Liyavi, Tondu, and Ogmore Coal and Iron, 28½ to 37½; Mersey Steel and Iron, 4½ to 8½; Mwyndy Iron Ore, 2; Newport Abercarn Colliery, 3½ to 1; New Shariston Collieries, preferred, 3 to 3½; Fowell's Liantwit Colliery, 10; Seottish Australian Mining, new shares, B-16ths; South Cleveland Ironworks, 2½ to 3; Uverstone Mining, 10½ to 11; United Bitumin aus Collieries, ½ to ½; West Cumberland Iron and Steel, 8½ to 9½.—Copper, Lead, 17n, &c., Companies: Bedford United, ½ to 1; Bensberg Lead, 3½ to 4; Bowden Hill Manganese, ½: Copispo Mining, 3½; Court Grange Lead, ½; Drake Walls, 2 to 2½; East Caradon, 1½; Elgar, ½ to 1; Great Laxey, 18 to 16½; Great West Van, ½ to ½; Gunnislake (Clittere), 42s. to 44s.; Lady Constance Lead, ½ to 1; Marke Valley, 2½ to 3½; New Consols, 1 to 1½; New Pembroke, ¾ to ½; Esq.

previous years. The ore raised realised 915% in the year ending June, 1873; rose New Quebrada, 3 ;: North Hendre Lead, 3 to 4; Prince of Wales, 4s. to 5s.; Plyn-limmon Lead, 3 to 4; Rilo Tinto, 7½; Snowbrook, 4½ to 5; South Roskear, 4 to 6; West Esgair Lie, ½ to 1; West Maria and Fortescue, ½ to ½; West Poldice, 14 to 15; Wheal Mary Hutchings, ½; Yorke Peninsula Mining 15 per cent, guaranteed preference, ½; Yorkshire Mining, 3-16ths to ½.—Gold and Silver Companies: Almada and Tirito, ½ to ½; Australasian Mines Investment, ½ to ½; Batte Mountain, 1 to 1½; Chontales Consolidated ½ to ½; ditto new shares, ½; Colorado Terrible Lode, 2½ to 2½; Don Pedro North del Rey, ½; Eberhardt and Aurona, 8½; Exchequer, ½; Frontino and Bolivia, 1 to 1½; L.X.L., 3; Javall, ½ to ½; Pet Phillip and Colonial, ½ to 1; Rios, 3s. to 5s.; Santa Barbara (late Pari), 9s. 64. to 14s. 6d.; South Aurora, 7-16ths; Tecoma, ½; United Mexican, 2½; Weish, "The," Gold, ½; Winter's Prechold, 2 to 5.—Oil Companies: Flintshire Oil and Cannel, 1 to 1½; Midlothian, ½; West Calder, 1 to 1½.—Miscellaneous Companies: Aberdeen Lime, 7 to 8; Bede Metal and Chemical, 3½ dislanceus Companies: Aberdeen Lime, 7 to 8; Bede Metal and Chemical, 3½ dislanceus Companies: Aberdeen Lime, 7 to 8; Bede Metal and Chemical, 3½ dislanceus Chemical, 34 dislanceus Chemical, 35; Lawe's Chemical, 74 to 7½; Natvice Guano, 25; Newcastle Chemical, 34 dislanceus Chemical, 35; and subjoined are the latest prices, &c., of those quoted on the Stock Exchanges:—

Capital.

Dividends.

Rate per cent.

Description of shares.

Capital.					ends							
Dos	Per Paid		Paid Par annu									
share		up.				Last		Last price.				
£ 10		£6		2123			Arniston Coal (Limited)	656				
10	940	10		14	3	9	Benhar Coal (Limited)	101/2				
10	***	5	***	14		9		5				
100	***	35	***	12%	+ ***		Bolckow, Vaughan, and Co. (Lim.)A.	48				
10	***	10		10	***	10	Cairntable Gas Coal (Limited)	934				
10	***	10		5		nil	Chillington Iron (Limited)	5				
32	***	29	***	7	***		t . Ebbw Vale Steel, Iron, and Coal (Lim.)	16%				
10		4		nil	***	nil	Fife Coal (Limited)	4				
10	***	10	***		***	-	Glasgow Port Washington Iron & Coal(L)	376				
10	***	10	***	_	***	-	Ditto Prepaid	374				
10	***	10		_		_	Lochore and Capledrae (Limited)	634				
10	***	10		s 7d		5	Marbella Iron Ore (Limited)	4				
10	***	10	***	5	***	nil	Monkland Iron and Coal (Limited)	53s.				
10	***	10	***	7	***	7	Ditto Guaranteed Preference	614				
100	***	100	***	nil	***	nil	Nant-y-Glo & Blaina Ironworks pref. (L)	38				
10	***	4	***	15	***	nil	Omoa and Cleland Iron and Coal (Lim.),	46s.				
1	***	1	***	15	***		6 Scottish Australian Mining (Limited)	134				
50		50	***	10	***	5	Shotts Iron	6736				
10	***	6		10		5	Ditto New, issued at 21/2 prem.	634				
							COPPER, SULPHUR, TIN.	-70				
10		7					Canadian Copper Pyrites (Limited)	On #4				
10		10	***		***	_						
10		7		90-		90*		85				
2	***	. 2	***	20s		208	Cape Copper (Limited)	28.				
ĩ	***	i		123	,		Glasgow Caradon Copper Mining (Lim.).	278.				
î		158.	***	125		125		17s. 3d.				
10	***	9	***			5	Huntington Copper and Sulphur (Lim.)	398.				
258.	***	238.	***	_	***	_	Kapunda Mining (Limited)	14				
4	***	4	***	_		_	Panulcillo Copper (Limited)	178				
10	***	10		nil	***	nil	Russian Copper (Limited)	234				
10	***	10		25		25	Tharsis Copper and Sulphur (Limited)	2034				
10	***	7	***	25	***	25	Ditto New					
1	***	i	***	20	***	20	Yorke Peninsula Mining (Limited)	1434				
	***		***	_				36				
-		-					GOLD, SILVER.					
.20		20		_		_	Emma Silver Mining (Limited)					
10	***	10		_	***	-	Flagstaff Silver Mining (Limited)	29s.				
5	***	5	***	-		-	Last Chance Silver Mining (Limited)	1				
5	***			_	***	35	Richmond Mining (Limited)	10				
							OIL.					
10		7	***	21	6	5	Dalmeny Oil (Limited)	118.64				
10	***	10	***	-/		_	Uphall Mineral Oil (Limited)	3				
10	***	814		5	***	5	Young's Paraffin Light & Mineral Oil (L)	536				
*0	***	0/4				•	MISCELLANEOUS.	.078				
*0		OF		10		14						
80	***	25	***	16	***	16	London and Glasgow Engineering & Iron					
00		****					Shipbuilding (Limited)	24				
20	***	111%		-	***	-	Peruvian Nitrate (Limited)	1136				
10		10		5		5	Scottish Wagon (Limited)	103%				
10	***	4	***	5	***	. 5	Ditto New	84s.				
						im.	Per share.					
		L	ast	day	for	this:	account Sept. 25; settling day, Sept. 29.					
				-		-						

NOTE.—The above list of mines and auxiliary associations is as full as can be ascertained, Scotch companies only being inserted, or those in which Scotch in vestors are interested. In the event of any being omitted, and parties desiring quotation for them and such information as can be ascertained from time to tim to be inserted in this list, they will be good enough to communicate the name of the company, with any other particulars as full as possible.

J. GRANT MACLEAN, Stock and Share Broker. Post Office Buildings, Stirling, Sept. 23.

THE PATELEY BRIDGE DISTRICT-THE SUNSIDE AND MERRYFIELD MINES.

MERRYFIELD MINES.

Although the millstone grit which constitutes the bearing measures in all the mines of the Pateley Bridge district has hitherto been considered less favourable for mining enterprise than the carboniferous limestone, which has proved so productive in the Allenheads and other celebrated lead mining regions, there is every reason to conclude that the development of the mines of the Nidd Valley will give a very fair return to the capitalists embarked in them. In too many cases the rents and royalties payable have been so large that, although considerable returns of ore may have been obtained, but little of the profit has remained for those engaged in working the mines. The district has been worked from time immemorial, but the yield of lead has always been comparatively small; indeed, the Grassington Mines, the most celebrated in the district, produced less than 200 tons of ore in 1872, a little over 300 tons in 1873, and about the same quantity during last year, whilst the other Wharfedale Mipe's yielded about 100 tons between them. In 1872 the Niddersdale district adjoining, with but three mines working—the Craven Cross, Stoney Groves, and Sunside and Merryfield—produced nearly 160 tons of ore, containing about 120 tons of lead; and although during the last two years the Nidderdale Mines have only figured for a few tons in the aggregate, the renewed attention now giving to the Pateley Bridge district will, doubtless, cause the 1875 returns to be equal to those of 1872, and at least some increase may be thenceforward expected.

The Sunside and Merryfield Mines have hitherto been less prominently noticed than their immediate neighbour it is true. yet they are well known in the district to be not less valuable with regard to contents of mineral, and to enjoy exceptional advantages for economic working. The setts now commanding attention are located

are well known in the district to be not less valuable with regard to contents of mineral, and to enjoy exceptional advantages for economic working. The setts now commanding attention are located about three miles west of the market town of Pateley Bridge, in a district where mining operations have been carried on from time immemorial, and comprises within its limits the Sunside, the Prosperous, and Providence Mines, and also about 300 yards in length of the eastern end of the Merryfield Mines. The Duke of Devonshire's mines at Grassington, and those of the Hebden Moor Mining Company, are situate about seven miles further westward on the same range of veins, the bearing measures, as already stated, being fine range of veins, the bearing measures, as already stated, being fine thick beds of grit, with intermediate beds of slate or strong shale. The lead veins or lodes are three in number, each running for a dis-tance of 586 fms. through the Sunside and Merryfield sett from east to west, and being generally known in the district as the old or north vein, the middle vein, and the south or Sun vein. These veins north vein, the middle vein, and the south or Sun vein. These veins exhibit throughout their entire length great peculiarities in their formation—at one time they will appear cut off, except a seam of clay about as thick as a man's hand; and, again, within a few fathoms they will open out as wide as a house, and almost all ore. All these veins were rich in ore when worked in the Merryfield Mines, and also in the Prosperous and Providence ground, in some places running close together, and in others some fathoms apart.

It is asserted as a fact beyond all dispute that for 20 years previous, and up to the year 1843 (when the mines ceased working), that lead ore to the value of 100,000% had been raised from the old black or north vein between the surface and a depth of about 80 fms. in a short length of 80 or 100 yards between the Prosperous and Providence shafts, and that the produce of these two mines alone averaged up to that period 240 pigs of lead, weighing 18 tons, per week. It is also stated that the highest price paid for getting the ore during the above-mentioned period did not exceed 24.10s, per bing of 8 cwts., the lowest price being 4s. 6d. per bing, at which price many hundred tons of ore were raised. Miners who worked in the vein described it as standing like a great stone wall of almost pure over and that hermains were readily taken by the workman at pure ore, and that bargains were readily taken by the workmen at 4s. 6d. per bing, four bings of ore (or 32 cwts.) producing 1 ton of smelted lead. The north or black vein has been reported to be 14 yards wide in the 38, near to the Providence shaft, and it is also stated that a solid rib of ore, nearly 1 yard wide, was left there in the year 1843, and now remains at a depth of 152 yards from the The south or Sun vein is even richer, and more promising than the Black vein.

The company now under consideration was originally constituted

in 1859, but up to the year 1867 the work done was principally that of development, the expenditure amounting to 10,702L, and the receipts from lead raised was 2650k. 16s. 7d., the royalty being 1-10th, whilst in the previous working it had been 1-6th. In 1867 the Nidderdale Lead Mining Company, out of which the present Sunside and Merryfield Lead Mining Company has been reconstituted, obtained the entire possession of the previously exception portions of the mineral grounds standing above the Wonderful level, between Sir Thomas shaft and Foster Beck (the then western boundary), as well as of Wood's shaft, near thereto, and an additional transfer. well as of Wood's shaft, near thereto, and an additional length to the west of about 300 yards of the black vein in the Merryfeld ground, running from Foster Beck to a place called Barrack Houses, out of which length the former lessees are stated to have got an immense quantity of ore, until they were eventually beat out by the water.

The lessors of the Sunside Mining Grounds to be suited by the water.

ground, running from Foster Beek to a place called Barrack House, out of which length the former lessees are stated to have got an immense quantity of ore, until they were eventually beat out by the water.

The lessors of the Sunside Mining Grounds, taking into consideration the heavy cost incurred by the lessees to unwater the mines, also agreed to reduce their royalty to 1-15th, as well as to company towards the cost of supplying bydraulic power for unwatering the mines and raising the minerals, such sum to be provided for by the retention to that amount of all royalty laid upon the produce of ores raised from such parts of the ground as should be wo-ked below a horizontal line, having for its datum the sole of the Perseverance level. The acquirement of Wood's shaft and the additional length of mineral ground westward caused the company on Jan. 1, 1863, to discontinue the driving of the Perseverance level (the forefield of which was calculated to be 280 yard from the Providence shaft, then fallen in and closed up, 380 yards from Prosperous shaft, and about 684 yards from Wood's shaft), and to transfer their operations to the western end of the mineral ground (which has been drained by that level for a depth of 10 yards below the Wonderful level), their first heavy expenditure being incurred in erecting a powerful water-wheel, 60 ft. in diameter, near to, and putting pumping apparatus down Wood's shaft, which was still standing in water about 44 yards in depth below the drainage line of the Perseverance level. This machinery having been supplied and fixed, the water-wheel, working one set of pumps only, was set in motion, and quickly reduced the water in, and ultimately entirely drained, the mines to the lowest depths, thereby proving its power to be more than ample for the purpose, notwithstanding the predictions of men engaged in and who were supposed to know something about mining operations—that the attempt to unwater the mines was hopeless, or at all events the machinery was not powerful enough for that p

MINING NOTABILIA

[EXTRACTS FROM OUR MINING CORRESPONDENCE.]

CHAPEL HOUSE.—The company's business continues in a flourishing sondition. The output is being kept well up to the average, and is disposed of witheas at very remunerative prices, notwithstanding the general stagnation in the coal trade. Contracts have been entered into lately for the apply of a very large quantity of coal at very good prices, and it is clear that this company, with the large rolling and shipping plant at its disposal, can compete well with all the collieries in its neighbourhood, and make a handsome profit on its business when others are making a loss. The tendency of prices in the coal markets is towards a rise, and better times are now in store for collieries. The new pit is now down about 18 yards, or very nearly half its entire depth. The erection of machinery and engise houses, and the enlargement of the reservoir for the supply of water to the engine, are rapidly approaching completion. There is a good demand for the shares at about 3½ to 4, with indications of a rise, and it may not be long before the price will reach par, or over.

about 3½ to 4, with indications of a rise, and it may not be long before the piece will reach part, or over.

8T. JUST AMALGAMATED.—A very rich lode of tin is being worked in this mine: it has long been a good lode, but its value has lately so greatly increased that it is estimated at nearly 2001, per fathom, even at the lowest price of tin-Bixteen men and a boy, though hindered two cores, have in a fortnight raised tone of tin from it, though they have to haul it up through a winze 9 fms., instead of tramming it, which hinders them considerably.

SUNSIDE AND MERRYFIELD LEAD MINING COMPANY

(LIMITED). Incorporated 1st March, 1872.

Capital £15,000; in 7500 shares of £2 each.

Deposit, 10s. per share on application, and 10s. per share on allotment.
Future calls not to exceed 10s. per share, nor to be made at intervals of less that
three months.

three months.

The mines are situate about three miles west of Pateley Bridge, near Leeds, wher mining operations have been carried on from time immemorial,—the bearing mesures being fine thick beds of grit with intermediate beds of slate or strong shale and are held for the residue of a term of twenty-one years (expiring in 1888), at low royalty of one-fifteenth, or is, 4d. in 1L., of the sale price of the minerals raised

and are held for the residue of a term of twenty-one years (expiring in 1809); also therefrom.

The sett comprises within its limits the Sunside and the Prosperous and Peridence Mines, and also about 300 yards in length of the eastern end of the Merytish Mines, and contains three lead veins or lodes, each running for a length of 58 fms. through the sett from east to west, and known as the Old Black or North Vein the Middle Vein, and the South or Sun Vein.

For twenty years previous to 1843, when the mines ceased working, lead ore in the value of £100,000 had been raised from the North Vein between the urface and a depth of about 80 fms., in a length of 80 or 100 yards between the Prospecous and Providence Shafts, and the produce of these two mines alone averaged, so that period, 240 pigs of lead (weighing 18 tons) per week.

The highest price raised for getting, raising to surface, and dressing the during the above named pre-lod did not exceed £2 10s, per bing of 8 owts.; the lowest price being 4s. 6d. per bing, at which price many hundred tons of ore war alsed. The royalty on the Privelence Mines up to 1843 was 10s, per ton, with a yearly rent of £250, and in 1857 they were saddled with annuities of £90 during the some years previous to 1843 returned to the owners about £10 for royalty.

The North Vein was 14 yards wide near Providence Shaft, and a solid rib of concariy a yard wide is stated to have been left there in 1843, and still remains, at depth of 152 yards from the surface.

Mr. Watson, one of the former lessees and working manager of the mines for twenty years up to 1843, looked upon the waste hillocks as a valuable reserve for twenty years up to 1843, looked upon the waste hillocks as a valuable reserve for twenty years up to 1843, looked upon the waste hillocks as a valuable reserve for twenty years up to 1843, looked upon the waste hillocks as a valuable reserve for the owners about £100 from the outlying waste or refuse hillocks are of tumere of a projecture, and forms of application for abares, a

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NON-CUPREOUS PYRITES.

ANTIMONY ORE—good.

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SILVER LEAD SETT.

1400 tons of BLENDE, containing SILVER.

LARGE LOT of NICKEL ORE, rich also for COBALT.

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NOTICE. — ROYAL SCHOOL OF MINES,
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The TWENTY-FIFTH SESSION will BEGIN on FRIDAY, the 1st OCTOBER.
Prospectuses may be had on application.
TRENHAM REEKS, Registrar.

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This College supplies a complete course of Instruction in Science, applicable to the Industrial Arts, especially those which may be classed broadly under the heads of CHEMICAL MANUFACTURES, MINING, ENGINEERING, and AGRIC

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There are Four Royal Scholarships of the value of £50 each yearly, with free dustion, including Laboratory instruction, tenable for two years. Two become saut each year. They are given to students who have been a year in the College.

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Chemistry (Theodetical and Practical), Metallurgy, &c.—Professor Glalloway, F.O.S.

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The Chemical and Physical Laboratories are open daily for Practical Instruction. The Session commences on Monday, October 4th.

Programmes may be obtained on application to the Secretary, Royal College of Seines, Stephen's Green, Dublin.

FREDERICK J. SIDNEY, LL.D., Secretary.

PROF. TENNANTS LECTURES ON ROCKS AND MINERALS, at King's College, are given on Wednesday and Friday mornings, from Nine Tso o'clock, and on Thursday evenings from Eight to Nine. The LECTURES mees WEDNESDAY, October 6th, and will be continued to Easter. The bills are admitted on paying the College Fees.
PRIVATE INSTRUCTION in GEOLOGY and MINERALOGY can be had as 6, Strand, by those unable to attend Public Lectures.

PRASER'S MAGAZINE, No. LXX. OCTOBER.-

IS MONARCHY AN ANACHRONISM?

ON PETROLEUM AND OIL WELLS.

SOME REMARKS ON OUR RELATIONS WITH RUSSIA.

THE CHARACTER OF MARY TUDOR.

PROPER USES OF WEALTH.

THE VENETIAN NAVY IN THE SIXTEENTH CENTURY.

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In Chancery.

IN THE MATTER OF THE COMPANIES ACTS, 1862 AND 1867, AND IN THE MATTER OF THE CWM BYCHAN SILVER-LEAD MINING

TO BE SOLD, pursuant to an Order made by His Honor the Master of the Rolls, the Judge to whose Court the above Matter is attached, bearing date the 27th day of July, 1875, the LEASE and the MINERAL PROPERTY known as the

PERTY known as the

CWM BYCHAN SILVER-LEAD MINE,

In the parish of DAROW+N, MONTGOMEEYSHIRE, WALES, together with
the valuable PLANT and MACHINERY, held on lease for thirty years at a royalty
of 1-15th, BY AUCTION, by Mr. FREDERICK INMAN SHARP, at the Auction
Mart, Tokenhouse-yard, London, on Monday, the 27th day of September, 1875, at
Twelve for One precisely.

May be viewed, and particulars and conditions had of ALEXANDER KERLY, Esq.,
Solicitor, 14, Great Winchester-street, E.C.; on the Mine; of the Liquidator, T. S.
EYANS, Esq., 5 and 6, Bucklersbury, E.C.; and of the Auctioneer, 16, Abchurchlane, London.

BUTE DOCKS, CARDIFF.

EXTENSIVE AND IMPOSTANT UNRESERVED SALE OF VALUABLE PLANT AND MACHINERY, TIMBER, AND OTHER MATERIALS.

EXTENSIVE AND IMPOSTANT UNRESERVED SALE OF VALUABLE PLANT AND MACHINERY, TIMBER, AND OTHER MATERIALS.

M ESSRS. A LE X AN DER BROTHERS are favoured with instructions from the trustees of Lord Bute to SELL, BY AUCTION, on Monday, 4th October next, and following days, commencing each day at Twelve o'clock precisely, the whole of the extensive and valuable PLANT AND MACHINERY, TIMBER,

AND OTHER MATERIALS,

Lately used in the construction of the new dock at Cardiff, comprising LOCOMOTIVE ENGINE, 4 feet 8½ inches gauge (No. 6), cylinder 12 inches diameter, six wheels coupled, with copper fire-box and brass tubes; powerful LOCOMOTIVE ENGINE, 4 feet 8½ inches gauge (No. 6), cylinder 12 inches diameter, six wheels coupled, with 6 inch cylinder, four wheels coupled, 5 feet diameter, copper fire-box and brass tubes; powerful LOCOMOTIVE ENGINE (No. 13), with four wheels coupled, with 6 inch cylinder 10 inches diameter, copper fire-box and steel tubes; pair high-pressure diagonal OSCILLATING ENGINES, cylinder 12 inches diameter, lei inch stroke, in thorough working order, and equal to new; also new OSCILLATING CYLINDER, complete, 12 inches diameter, 16 inch stroke, with covers, steam chest, trunnions, piston, and rod, complete; a capital and nearly new PORTABLE ENGINES, by Clayton, Shuttleworth, and Co., of Lincoln, with 9 inch double cylinder; 18 inch cylinder ENGINE, 5 feet stroke, and iron bolier, 20 feet 6 inches by 6 feet 9 inches; 4 cylinder ENGINE, brass tube boiler, 20 feet 6 inches by 6 feet, 5 inches; 4 cylinder ENGINE, brass tube boiler, 20 feet 6 inches by 6 feet, 5 inches; 6 to travelling in four directions; five tubular and vertical BOILERS, water tanks, steam winches; 10 and 20 ton iron jennies, by Stothert and Pitt, of Bath; wood frame jennies; a large and valuable quantity of gantry and pile driving machinery; about 18,000 cubic feet of Memel and ash timber; cast from monkeys, derricks, pulley blocks; about 3000 feet of double link ch.ins and slings; certrifugal chain, and force pumps; mortar milis and ro

Cardiff.

Detailed catalogues, giving particulars of each day's sale, are being prepared, and in the interim full particulars may be obtained of the Auctioneers, 76, St. Marystreet, Cardiff.

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UNKESERVED SALE OF SPARE PITWORK.

N. W. WERRY WILL SELL, BY PUBLIC AUCTION, at
NEW PEMBROKE MINE, near Par Station, on Tuesday, the 5th of
October, 1875, at Two o'clock P.M., without reserve, various excellent PITWORK,
viz.: 18, 16, 15, 14, 13, 12, 11, 10, 9, and 8 in. PUMPS: H and top DOOR PIECES;
PLUNGER POLES: ROD PLATES; and a large quantity of other useful
MINING MATERIALS.
There will also be OFFERED FOR SALE, a PAIR of STAMPING ENGINES,
30 in. and 22 in. cylinders, with fly-wheel, and TWO 10 ton BOILERS; and an
excellent 20 in. HORIZONTAL ENGINE, with BOILER and WHIM CAGE.
Apply for particulars to Captain Puckey; or to the Auctioneer, St. Blazey,
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THE VALUABLE FREEHOLD AND LEASEHOLD MINERAL

and OTHER INTERESTS, and the EXTENSIVE MINING and MANUFACTURING MACHINERY, PLANT, and BUILDINGS, of the GENERAL

MINING COMPANY FOR IRELAND (LIMITED), situate at and in the
neighbourhood of SILVERMINES, in the county of TIPPERARY, within five

miles of the Nenagh Station of the Great Southern and Western Railway, and

within eight of the Birdhill Station on the Killaloe Branch of the Waterford and

Limerick Railway System, TO BE SOLD, BY AUCTION, at Silvermines, on

Wednesday, the 29th day of September, 1875, and succeeding days, commencing

each day at noon precisely.

The mineral setts extend over about 2000 acres, and include deposits of calamine

(carbonate of zine), silver-lead, blende, copper, sulphur, and fire clay, and are held

partly in fee and partly under terminable leases: all free from dead rents, and

some free from royalty, and others subject to moderate royalties, with exception
ally favourable conditions for working.

The manufacturing plant comprises everything necessary for the making of zine

oxide direct from the calamine ore, which manufacture was successfully carried

on by the General Mining Company.

The mining buildings, plant, and machinery include every requisite for carry
ing on extensive operations, and they are now in good working order.

Detailed particulars of the lots, with lists of the buildings, plant, and machinery,

and the conditions of sale can be had from the undersigued, who will be prepared

to receive private offers up to within one week of the day of sale:—D. and T. Fitz
Gerald, Solicitors for the Liquidators, 20, St. Andrew's street, Dublin; L. Stud
DERET, LL.D., THOMAS BAKER, Liquidators, 58, Amiens-street, Dublin.

THE HENDON SPELTER WORKS.

TO CAPITALISTS, PROMOTERS OF PUBLIC COMPANIES, & OTHERS.

POR SALE, in consequence of the Death of the late Senior Partner, John Candlish, M.F., the SPELTER WORKS, situate at Hendon, in the borough of Sunderland, in the county of Durbam, carried on under the style of "THE HENDON SPELTER COMPANY."

The works are situated within one mile of the well-known docks of the port of Sunderland, and adjoining the Hartlepool Branch of the North Eastern Railway, with which they are connected by high and low level sidings, and thereby placed in communication with all parts of the United Kingdom. Their position, within easy distance of both the ports of Newcastle and Sunderland, is very advantageous for the cheap importation of raw material, as also the forwarding of the manu factured article either by land or sea.

The ground on which the works are built can be either bought out or sold on a yearly perpetual ground rent, and any quantity under 20 acres can be included in the sale.

Being situated in the midst of the Durham Coal Field fuel of the best description can be obtained at a cost below almost any other rest of the United Villender of the post of the United States and the same of the United States of the Uni

a yearly perpetual ground rent, and any quantity under 20 ares can be included in the sale.

Being situated in the midst of the Durham Coal Field fuel of the best description can be obtained at a cost below almost any other part of the United Kingdom. There are 19 workmen's cottages, which can be bought with the works.

The works contain 24 zine furnaces, capable of producing 70 tons of metal a week, as also calciners, poliofts, machinery, blacksmiths' and joiners' shops, &c., of sufficient capacity for a much larger number. The works can, therefore, be doubled at a comparatively small cost.

The quality of the metal made at these works is well known, and it, therefore, commands a ready sale at the highest prices.

Attached to the high level sidings are large depôts for coal, ore, &c.

The goodwill would, of course, go with the works, and they will be sold subject to all stock being taken at a fair market value.

The purchaser can also have the option of buying the CALCINING WORKS and VALUABLE MINES in SPAIN, thus allowing of the economical and regular supply of the raw material, and saving the mineowners' and merchants' profits. As the ore from the South of Spain generally comes as ballast for ships laden with esparto, it has been brought for this company at an average cost of 7s. per ton, sometimes as low as 4s. 6d.

Further particulars can be had on application to the company.

MINERALS TO BE LET.

MINERALS TO BE LET.

TO BE LET BY TENDER. ALL THE MINERALS ABOVE AND INCLUDING the No. 3 BHONDA SEAM, lying under the several FARMS, called COED-Y-LAY, TYN-Y COED, LLANILID, TYLCHA WEN, GELLY SEREN, and TON THRATHWG, situate in the several parishes of LLANILID and LLANTRISSANT, in the ELY VALLEY, GLAMORGANSHIRE, containing together by admessurement 887 acres or thereabouts.

The property is most advantageously situated, being only distant 16 miles by the present route from the port of Cardiff, with which this property is connected by means of the Ely Valley Railway, running through the lands, and forming a junction with the Great Western Railway at Liantrissant, thus affording direct communication with all parts of the kingdom. The ports of Newport and Swansea are also easy of access by means of the above mentioned route.

The Liantrissant and Taff Vale Junction Railway, which is now opened, runs within two miles of the property, and in conjuction with the Ely Valley Railway will greatly reduce the distance to Cardiff, and afford great facilities for the conveyance and shipment of the mineral seams in the South Wales basin underlying the Liantwit seam.

Lians the whole of the mineral seams in the botter water basic underlying Lians the whole of the mineral property, from its advantageous position, is the key to a very large area of minerals lying to the rise of a level course, and, being the only practicable outlet for such minerals, it will enable the same to be worked to greater advantage than from any other quarter, by means of which a large income will be obtained by the owners and lessees of this property in the shape of way leave to be paid by the adjoining lessees.

Full particulars and terms of letting can be had on application to Mr. Herbert Kirrhouse, Mineral Engineer, Penyrhuedu, Merthyr, Glamorganshire: Messrs. SMITH, DAVIES, and Co., Solicitors, IA, Frederick's place, Old Jewry, London; or Messrs. DAVIES and Co., Solicitors, Haverfordwest.

THE COMPANIES ACTS, 1862 AND 1867.

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MESSRS. PYNE AND MURCHISON, Liquidators of the above Company, INVITE TENDERS for the PURCHASE of the VALUABLE LEASE and PLANT of the mine, including ROTARY STEAM ENGINE, with nearly new 10 ton BOILER, crushing machinery, winding and pumping gear, 60 fms. of 7 in. pumps, with two plunger lifts, 80 fms. of 1 in, best charcoal iron wire rope, 70 fms. 3 in. diameter hemp rope, 60 fms. of 1 in, best charcoal iron of the shaft, the 48 and 60 fm. levels, being 50 to 60 fms. in length, in both of which the great spar lode may be seen.

Considerable quantities of lead have been sold from this property from above the 48, and there are now several tons of lead ore undressed at surface.

This mine is situated in the same district as Tankerville, Roman Gravels, and Snailbeach, being between the two latter mines.

An inventory of the machinery, and Capt. A. Waters' reports on the mine, may be seen at the office of the Liquidators, where any further information can be obtained.

Tenders must be sent into the Liquidators on or before the 30th day of October Tenders must be seen in the Liquidators on or before the 30th day of October

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Tenders must be sent into the Liquidators on or before the 30th day of October next, who do not bind themselves to accept the highest or any tender.

8, Austinfriars, London, 23rd September.

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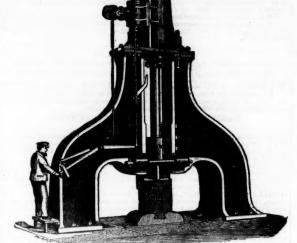
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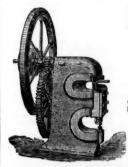
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